MIST and DRUGGIST MARCH 13, 1943

The
HEMIST AND DRUGGIST
RETAILER - WHOLESALER - MANUFACTURER

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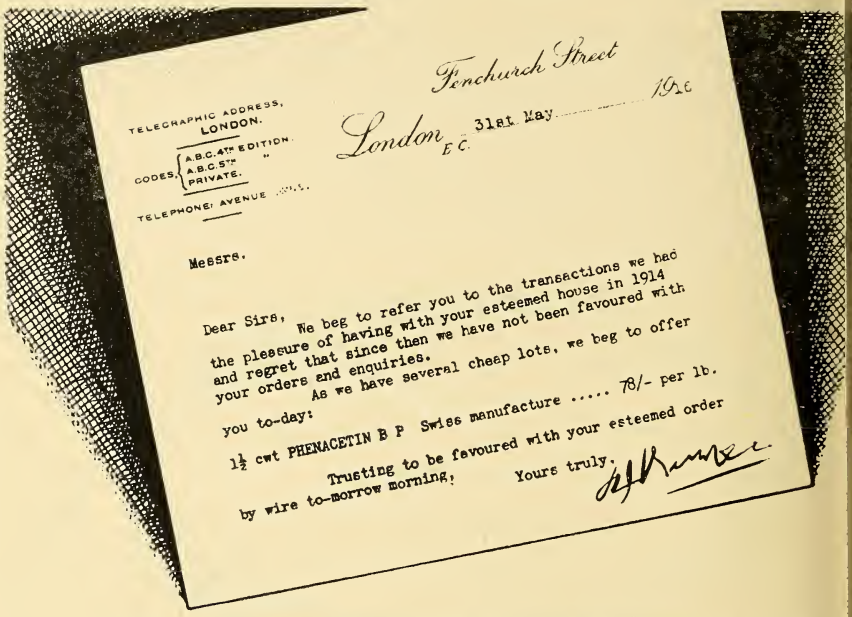

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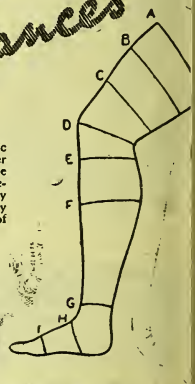

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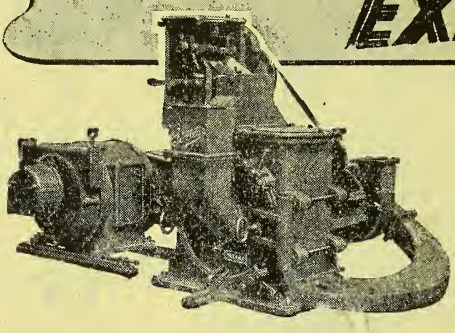

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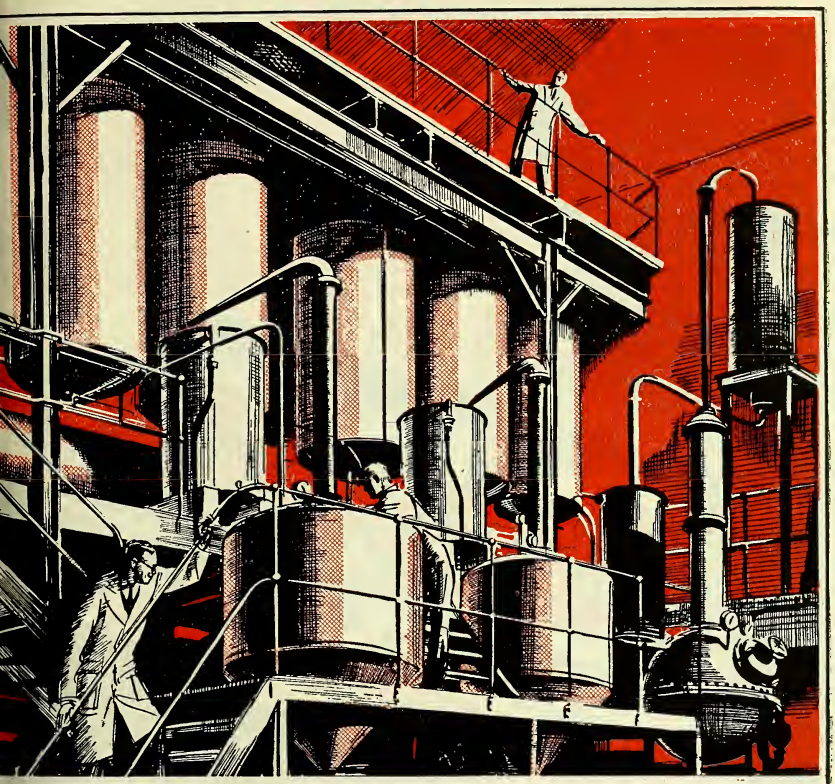

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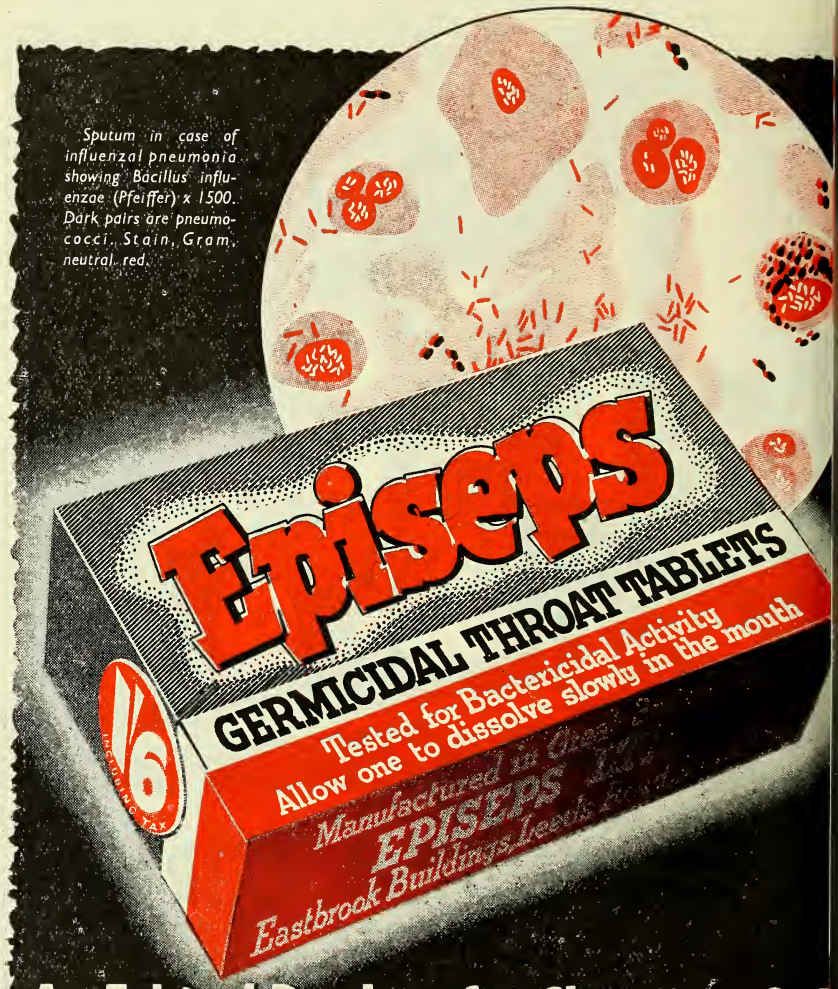

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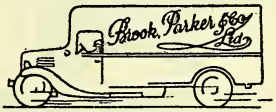

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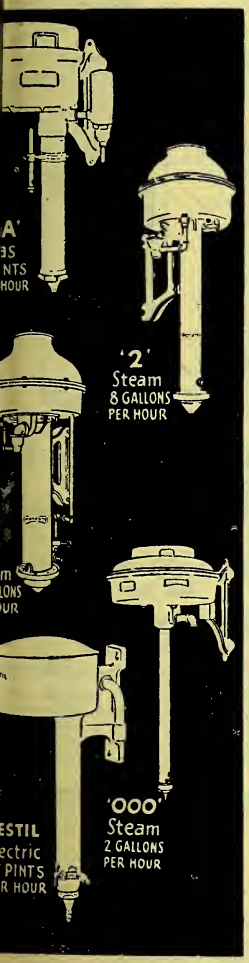

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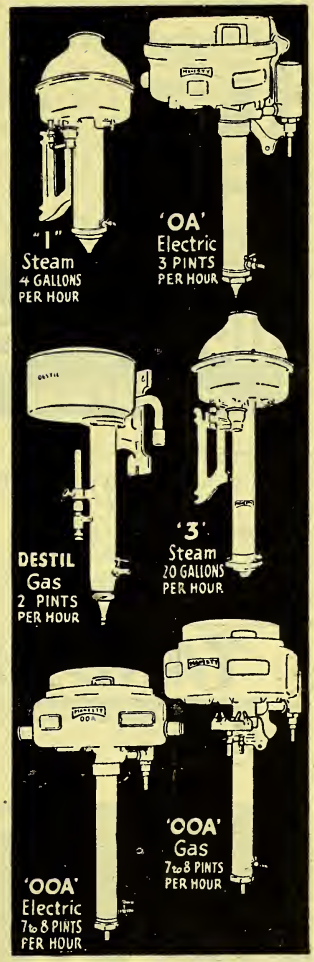

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March 12, 1943

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NEWS OF THE WEEK

er Closing-hour Ends.—Since March losing hours of shops have ceased to erned by the Defence Regulations. ct is that the compulsory (provincial) closing no longer applies. The hour regulations are now those of p Hours Act.

wships for Scottish Scientists.— recently elected Fellows of the Society of Edinburgh are Messrs. Gowan Chalmers, B.Sc. (research , T. & H. Smith, Ltd., Edinburgh, emistry department, University of rgh); Robert Gillies Muir Dakers, (Edin.), B.Sc. (Lond.) (lecturer in ry, Heriot-Watt College, Edin- Alexander Dunbar, Ph.D. (Edin.), James Dunbar, Ltd., Edinburgh); Roy Fletcher, D.Sc., Ph.D., B.Sc. ment Botanist, Edinburgh); John Gaddum, Sc.D., M.R.C.S. Eng., P. (Professor of Materia Medica, sity of Edinburgh); Charles Ockrent, D.Sc., Ph.D. (chief chemist, Printing and Allied Trades Research Association, Glasgow); John Monteath Robertson, M.A., D.Sc., Ph.D. (Gardiner Professor of Chemistry, University of Glasgow); and Ernest Warhurst, Ph.D., M.Sc., B.Sc. (lecturer in chemistry, Heriot-Watt College, Edinburgh).

Maximum Prices for Hard Soaps.—The Ministry of Food has added the following brands of hard soap to the Schedule to the Soap (Maximum Retail Prices) Order, 1942, for sale at the prices indicated: Boots' pumice, 1s.; Calvert's No. 5 carbolic, 10d.; Caurnie self-cleanser, 11½d.; Croftol disinfectant, 7½d.; Gordon kosher, 8d.; H.B.T. aseptic, 7½d.; Kay's white Windsor, 6½d.; Magdev kosher, 8½d.; Nuway, 10d.; Peerless carpet, 2s.; Pompey hand, 1s.; Rexall pumice, 1s.; Timothy White's and Taylor's white Windsor, 6½d. The Order is already in force and the fixed prices, therefore, in operation.

In the Courts.—At Portsmouth, on March 2, John H. C. Green, M.B., Ch.B., London Road, was summoned for failing to keep a register of certain drugs obtained by him. The magistrates found the offence proved, but in view of the special circumstances they dismissed the case on payment of costs.

Manchester Dangerous Drugs Inspections.—The chief constable of Manchester states that during 1942 628 visits of inspection were made to the premises of retail chemists and wholesale druggists to see that the provisions of the Dangerous Drugs Acts were being observed. There were fifteen convictions for offences, two of them involving chemists and one a doctor.

Additions to "Black List."—An Order by the Board of Trade, in force since March 9, adds 561 names to the "black list" of traders in neutral countries with whom it is unlawful to have dealings of any kind. Copies of the Order—the Trading with the Enemy (Specified Persons) (Amendment) (No. 4) Order, 1943 (S. R. & O. 1943, No. 285)—are available, price threepence, through booksellers or direct from H.M. Stationery Office, Kingsway, London, W.C.2.

Weapons in the Pharmacists' Fight.—At Plymouth, on February 25, Mr. C. J. Yeates addressed the local Branch of the Pharmaceutical Society on "War and Peace in Pharmacy," Mr. A. G. Madge in the chair. Mr. Yeates defined pharmacy as the supply of medicines—at once the right, duty, and domain of members of the Pharmaceutical Society. By controlling prices and profits the Proprietary Articles Trade Association tried to stop price-cutting, but after nearly fifty years' work hundreds of firms in many parts of the country were cutting prices today. The presence of so many non-chemist retailers of P.A.T.A. medicines indicated that protected prices and profits were a tempting inducement to others to engage in the supply of medicines in competition with chemists. In less than twenty-five years without a charter the National Pharmaceutical Union appeared to have done more for those who "carry on the business of chemists and druggists" than the Society's Council had done in over 100 years with a Charter. It was members' own fault if they elected councillors who were not prepared to go all out for what they conceived to be the chemists' right. Pharmacists' best weapon appeared to be the Chemists' Friends Association. By reserving to chemists at fixed prices and profits the supply of medicines of the highest standards, it had checked invasion of the pharmacists' don restored their morale, and helped ther distinguish friend from "fifth column Chemists should prepare now for after war. It was no use waiting, for compet were not waiting. The records showed on previous occasions chemists had lulled into a false sense of security. supply of medicines could and shoul in the hands of chemists. Lively discus followed, after which a vote of thanks proposed by Mr. Fernley Wallis, secor by Mr. Price, and carried with enthusi

Co-operative Pharmacists.—The execu committee of the Co-operative Union satisfied itself that no compulsion ca applied to transfer co-operative pharma to private businesses. Registered men thirty, whose retention in their pre employment cannot be justified, will c to be deferred on March 31. If, by time, they have not secured employr of greater pharmaceutical importance their present jobs, they will be liable military call-up. The Union has ado the suggestion of forming a pool of chem on which the co-operative movement w have first call.

Dublin Dispensary Recommendatior Doctors associated with the Dublin U Dispensary have recommended the fol ing improvements in the service: Separa of the dispensary medical service administration of the poor law; impr ment of dispensary buildings; clerical to be simplified, and a clerk and alm appointed to each dispensary; registra of births, marriages and deaths to be moved from the duties of the Dispen Medical Officer.

Consett Rose-hip Collection.—Rece at a public meeting in Consett, Durl the local organiser of the rose-hip collec was publicly complimented, by a re sentative of the Ministry of Supply having organised the collection of 1½ of rose hips from within an area of tw square miles. The yield for the whol Northumberland in 1942 was 1·1 tons, for Durham 1·05 tons.

Gifts of Medical Supplies.—Gifts medical supplies to the value of £2 to Mrs. Churchill's Aid to Russia F and a similar value to Lady Cripps' Ur Aid to China Fund, have been made the Wellcome Foundation, Ltd., Lon The goods will be dispatched at an e date.

ild of Public Pharmacists.—Nomina- for membership of the Council during -44 must be in writing and accompa- by the candidate's written acceptance. should reach the secretary (Mr. John Wood, 75 Lowther Road, London, 13) on or before April 19. Members have items for the agenda of the al meeting should notify the secretary before that date.

quest.—At Limavady, co. Derry, on uary 20, an inquiry was held into the mstances attending the death of an n-year-old boy, who collapsed and died playing near a wrecked aeroplane. rding to medical evidence, death was to asphyxia caused by metaldehyde ning. In recording a verdict in accord- with the evidence the Coroner said he rstood that this substance was some- s carried in an aeroplane for the ose of heating food, and it is possible the boy picked up one of these tablets ate it, thinking it was a sweet.

eds Resolution Follows Debate.—After bate on "Post-war Planning in Phar- ," a joint meeting of the Leeds Branch e Pharmaceutical Society, employee- macists and students from Leeds ersity Pharmaceutical Department, ebruary 24, passed the following resolu- "That this meeting deplores the sion of any mention of a pharmaceu- service in the Beveridge Report, and the Pharmaceutical Society to take to see that such service is included ny national health scheme that may ormulated." The debate was opened Mr. F. J. Hobson (an employee phar- st), who reviewed the present position, submitted seven principles for after- policy, including the institution of a Council of Employers and Employees. Royce (secretary) urged a better enticeship implementing the rules dy laid down by the Society, and sed the necessity of inspection of macies where apprentices were work- There should be more definite control aining schools and their equipment, he advocated a more severe training narmacology for the Ph.C. course and ider curriculum in biological assay. E. Buckley (vice-chairman of the ch) spoke from the employer-chemist's of view, and from his own experience ecretary of the local Pharmaceutical mittee he made suggestions aimed at oving conditions of N.H.I. dispensing, h he felt would be greatly increased in the near future. Mr. H. Haw outlined pharmaceutical legislation from 1908 to 1942, and pointed to the lessons to be learned from the past. The Secretary (Mr. G. C. Crummack) felt two main matters for post-war planning were the rehabilitation of people returning from the Forces and structural improvements in the general level of pharmacies and dispensaries. Messrs. Laws, Challinor, Beevers, Strafford (student), Rymer, Pearlson, Jackson and N. N. Armitage took part in the discussion, and the resolution, as adopted, was moved by Councillor H. Hodgson, seconded by Mr. M. Jackson, and supported by Mr. A. W. Lupton (head, University Pharmacy Department).

Institute of Chemistry.—At the sixty-fifth annual meeting held recently, Dr. J. J. Fox (retiring president) said that the roll had increased to 8,250 Fellows and Associates and over 950 Students. The Institute had joined with the Institute of Physics and representatives of other sciences in forming a Joint Council of Professional Scientists, and the Joint Council was in touch with the appropriate authorities in considering the probable position of scientists after the war. The main objects of the Institute were to promote the education and training of professional chemists, to hold examinations, to grant certificates of competency, to organise and register the competent, and to render every possible assistance to the Government, industry and commerce by encouraging the employment of chemists. Professor Alexander Findlay (University of Aberdeen) was elected *President* in succession to Dr. Fox.

Mr. B. M. M. Hudson

We deeply regret to announce the death on March 5, at his home, Pond Farm, Shipton Moyne, Tetbury, of Mr. Barton Middleton Morgan Hudson, aged 48. Mr. Barton Hudson was for many years joint managing director of Morgan Brothers (Publishers), Ltd., proprietors of The Engineer, The Ironmonger and The Chemist and Druggist. On the outbreak of the last war Mr. Hudson joined the Middlesex Yeomanry and saw service in Egypt and Palestine, reaching the rank of Captain.

TOPICAL REFLECTIONS

Integration

On reading your editorial article "Organising for the Health Services" (p. 247), the first question that arose in my thoughts was "Can anyone tell us where we are?" As you point out, the Pharmaceutical Society is not in a position to act as a fully representative body on behalf of pharmacy in negotiations with other interests. In December 1941 the formation of a Drug Trade Council with a wide range of selection was announced, and many of us thought that this body would soon become the central directing force of the trade. What is the present position of that Council in reference to the formulation of health schemes, official or other? Presumably it either has the power to make decisions and to act upon them or must pass resolutions and refer them for instructions to the separate bodies that have sent its constituent members. It will be lamentable if it turns out that the hands of the Council are tied by some hitherto unknown arrangement, so that it lacks the authority requisite for action when action is needed. Yet you have again urged the necessity for a comprehensive body "superior to any of its components." It is to be hoped that someone with intimate knowledge of what is happening behind the scene can reassure us that time is not being wasted by what might prove to be another debating society.

The Chemist's Title

The letter from Mr. F. D. Chambers on the importance of the title "chemist" in trade (p. 257) is a useful reminder. When Defoe wrote in 1726 (in "The Complete English Tradesman"), "I have seen . . . an apothecary turn chymist, and not a few turn physicians," he bore witness to the then lately recognised value of the title "chemist" as well as to the division of interest among apothecaries, some of whom preferred to trade in shops—as in fact some physicians and surgeons did, with the use of the addition "chemist"—while others chose the opposite course. That title has remained predominant for more than 200 years, and seems as firmly established as ever in popular usage. Your correspondent has omitted to mention the use of "doctor" by the public, a use recognised by the sanction given to medical practitioners who are not doctors of medicine to put "Dr." on their doorplates. That sanction strengthens his case, for chemists are so entitled in relevant Acts of Parli: Does it follow, then, that the titles macist," "druggist," "dispensing ch and their variants "should be droppe in speech and print?" By no "Pharmacist" is a word internati recognised, and is prominent in the macy and Poisons Act of 1933; "dru is still popular in Scotland. In writin weekly paragraphs it is my practic parva licet componere magnis") t to "chemists" when thinking of primarily as traders, and to "pharma when thinking of them primarily a fessional men. If the question of "d ately throwing away" the title "ch was squarely put to any competent ence, the decision for retention name would, I think, be unanimous.

Latin in Pharmacy

The elimination of Latin from the maceutical curriculum, if it is ever ef will, as Mr. L. Matthews writes (p. be a retrograde step. Men of scie many countries have been to blan allowing Latin to be pushed into the ground as a medium for interna communication. Botany is to some an exception. Admittedly there ar culties in latinising some scientific and concepts: in one instance the pilers of the French Codex of 1937 fought shy of the problem, and have collutorium with a French title only as mediæval latinists found mea grafting new words and meanings classical tree, it should not be imp for twentieth-century scientists to them in this respect. From 1618 to the Pharmacopœia Londinensis was piled in Latin; but in 1858, whe General Medical Council ordered th paration of a British Pharmacopœ supersede those of London, Edinburg Dublin, its Pharmacopœia Committe instructed "that the Pharmacopœ published in the English language, wi list of the materia medica and comp in the Latin language." As Mr. Mat remarks, it is anomalous that the Na War Formulary should be in English t the N.H.I. formulary on which it is is in Latin; it has to be remem however, that the two official and th semi-official formularies of the U Kingdom and the United States ar have long been in English.

Xray

TRADE NOTES

ies Available.—It is understood from kers (Numol, Ltd., Newcastle-on-) that limited supplies of Proctor's tus pastilles are still available.

Price List.—A new edition of the price list, just published, is avail- pharmacists, who should write to itish Drug Houses, Ltd., London, pplications must be accompanied nny postage stamp.

Hair Cream.—Varsity Perfumery 8 Regent Street, London, W.1, their Varsity tonic hair cream as ront rank post-war seller." They ward to meeting the demand when edients are again readily available.

Business Changes

s Dispensing Chemists, Ltd., moved to 427 Bury New Road, 7.

Institute of Export has removed offices at Royal Empire Society g, Northumberland Avenue, Lon- C.2. Telephone: Abbey 5483.

rd Hack, Ltd., ask for all corre- ce to be sent to Lion House, 72 on Street, High Holborn, London, Telephones: Holborn 1000 and 6000.

ge of Trading Name.—Proprietary s, Ltd., 179–81 Acton Vale, London, ve changed the name of the com- The Chas. H. Phillips Chemical l. The change in title implies no n in the activities of the company.

iam R. Warner & Co., Ltd., and ed companies (Richard Hudnut, Vince Laboratories, Ltd.; and Dr. Sloan, Ltd.) are removing on March 150–58 Kensington High Street, , W.8. Telephone: Western 2231.

tary Articles Trade Association

ons to Protected List.—*Glaxo Labora- td.* Pheniodol powder, 25 gm., 25s., each; granules, 3s. 9d., 30s. doz. from tax. Tubes contain 6 gm. Phenio- ules; each tube is equivalent to 3 gm. ol.

tions.—*Cooper, McDougall & Robertson,* rol disinfectant fluid, 4 oz., 1s. 1½d.; doz.; 8 oz., 1s. 7½d., 15s. doz. Exempt x.

rn (1923), *Ltd.* Pilenta soap. Retail cluding purchase tax, 1s. 3½d.

on.—*Colloidal Chemists, Ltd.* Dermina cream.

COMPANY NEWS

Romos Laboratories, Ltd. (P.C.).—Capital £100. Manufacturers of and dealers in emulsifying agents; to carry on research work, etc. Maurice D. Curwen and Ralph Wordsworth, directors. Solicitors: Wordsworth & Co., 39 Lombard Street, London, E.C.3.

Zee-Kol Almond Oil Laboratories, Ltd. (P.C.).—Capital £1,000. Dealers in dental and toilet preparations, including shaving sticks and creams, soaps, etc. Violet A. Van der Elst, permanent director. R.O.: Addison Lodge, 7 Addison Road, London, W.14.

Archer (Braintree), Ltd. (P.C.).—Capital £1,000. Manufacturers and bottlers of and wholesale and retail dealers in mineral waters, syrups, cordials, etc. Directors not named. Solicitors: Kenneth Brown, Baker, Baker, Essex House, Essex Street, London, W.C.2.

E. C. Smith & Sons (Thermometers) Ltd. (P.C.).—Capital £2,500. To acquire the business of a thermometer manufacturer carried on by Edmund C. Smith at Carshalton. Edmund C., George H., John W., and Edmund A. Smith, directors. The Market, Wrythe Lane, Carshalton, Surrey.

C. J. Taylor's Embex, Ltd. (P.C.).—Capital £1,000. To acquire the trade mark Embex, and to carry on the business of manufacturers of and dealers in headache and pain-relieving tablets and powders, germicidal ointment, etc. C. J. Taylor, director. R. O.: 78–80 Boundary Lane, Liverpool.

F. W. Hampshire & Co., Ltd.—A final dividend of 20 per cent., together with a bonus of 10 per cent., on the ordinary and A ordinary shares has been recommended, making 50 per cent. for the year.

Supplemental Dividend. — Herbert George Boyce, chemist and druggist, 13 Cheviot Street and 28 Canwick Road, Lincoln: Supplemental dividend (1s. in £) was payable February 23 at 22 Regent Street, Park Row, Nottingham.

Deleted from Register.—"The London Gazette," March 2, notifies that Bio-Chemical Remedies, Ltd.; S. J. Smith (Chemists), Ltd.; Shuttleworth's (Herbalists), Ltd.; and Tasmanian Eucalyptus Oil Co., Ltd., have been struck off the Register of Companies.

LEGAL REPORTS

Injunction Granted.—Before Mr. Justice Uthwatt, in the Chancery Division of the High Court, on March 2, Mr. Lloyd Jacob, appearing for Coty (England), Ltd., Stratford Place, London, plaintiffs in an action against Ashwell & Co., Lea Bridge Road, Leyton, Essex, moved for judgment against the defendants in default of appearance to the action. Plaintiffs, counsel said, were seeking an injunction to restrain infringement of two registered trade marks and "passing off." Mr. Justice Uthwatt: I have read the statement of claim and the minutes seem to be in order. I will grant the injunction.

Deficient Sulphur Ointment.—At North London Police Court, on March 8, Kenneth Vernon Hill, trading as the Isola Manufacturing Co., Northenden, Cheshire, was summoned by Stoke Newington Borough Council for selling through an agent at 100 Matthias Road, Stoke Newington, sulphur ointment on the container of which was a label bearing the words "sulphur ointment," the contents on analysis not justifying the statement. There was a second summons for selling sulphur ointment which did not contain the required amount of sulphur in accordance with the British Pharmacopœia. The first summons was dismissed on payment of costs, and on the second a fine of £5 was imposed.

Appeal Case.—Before the Supreme Court in Dublin (Mr. Justice Murnaghan, Mr. Justice O'Byrne, and Mr. Justice O'Byrne) the appeal was heard on February 23 and 24 of Osmond & Son (Dublin), Ltd., manufacturing chemists, Little Ship Street, Dublin, against a judgment of Mr. Justice Hanna in the High Court (*C. & D.*, December 26, 1942, p. 665), in which he allowed £300 with costs to Hugh McElhinney, registered druggist, Bilton Grove, Dundrum, co. Dublin, in respect of his claim for services rendered by him as manager for Messrs. Osmond from March 1, 1934, to December 3, 1941. The Supreme Court reduced the award of £300 to £62 10s. with such costs as that sum would carry in the High Court, and the costs of the appeal. The Supreme Court unanimously held that when Mr. J. W. Irwin, L.P.S.I., was appointed as chemist and manager on March 1, 1937, Mr. McElhinney's prior appointment as manager ceased. Mr. McElhinney, the Court pointed out, was present as a director of the company at the meeting at which Mr. Irwin's appointment was made The Court allowed Mr. McElhinney remuneration as manager for six and-a-half weeks at £1 a week wi costs mentioned.

PARLIAMENTARY NE

Licensing of Retail Traders.—Mr. G White asked the President of the of Trade on March 2 whether it w intention to give special powers to cha of commerce in the licensing of retail t after the war; and, if so, what the to be. The reply by Mr. Dalton wa no decision had yet been taken b Government regarding post-war lic of retail traders.

Retail Delivery Economies.—Captai asked the Parliamentary Secretary Ministry of War Transport on Febru whether he could give an estimate saving of petrol and tonnage effected restriction put on retail deliveries Noel-Baker gave the figures that, l many small individual economies petrol had been saved at an annual about 25,000,000 gallons, and about vehicles had been released.

Scarcity of Saccharin Tablets.—Mr tron Duckworth asked the Preside the Board of Trade on March 2 the ap mate amount of saccharin placed market in the previous three months what had become of it, since few had a supply. The reply was giv Mr. Mabane. He said the wholesal tribution of saccharin tablets wa regulated by permit, and the Minist no information about the quanti saccharin tablets placed on the mar the three months affected. The a of saccharin supplied to tablet ma turers had, however, been sufficie maintain a monthly distribution of 700,000,000 tablets, or more than tw five times the pre-war distribution. was no doubt a considerable unsa demand for saccharin tablets, but raw material from which saccharin was had other more essential uses it w possible to contemplate any increa production.

CLOSED ON SATURDAYS.—Advertiser subscribers are reminded that owing t conditions the Head Office of THE CH AND DRUGGIST, 28 Essex Street, London, is closed on Saturdays until further Urgent instructions relating to advertisin subscriptions should be sent to the *C.* 17 Argyle Street, Bath, Somerset.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

nonthly meeting of the Council of harmaceutical Society was held at on March 2 and 3. Mr. W. S. Howells ent) was in the chair. The members t included the two newly co-opted . Maplethorpe and Mr. A. A. Mel- Mrs. J. K. Irvine, Sir Malcolm ngne, Sir Walter Langdon-Brown, . J. T. Appleton, C. Davis, W. n, J. H. Franklin, H. M. Hirst, J. F. l, A. R. Melhuish, L. M. Parry, P. F. ll, H. C. Shaw, H. Skinner, F. G. (vice-president), and F. C. Wilson, he secretary and registrar (Mr. Hugh stead, M.P.).

Tuesday's Session

ng the items of business transacted esday were the following:—

l Pharmaceutical War Committee

Council received a letter from Mr. ms resigning from the Committee on t of his inability to attend the meet- The resignation was accepted with Mr. M. Jackson, Leeds, was ap- d as an additional trade union entative on the Committee.

il Meetings

Council decided to meet in London April to October and to hold the t meeting on July 27 and 28.

rch Defence Society

Council decided to make a donation 10s. to the funds of this Society.

pondence

ters were received from the following hes: (i) The Bath Branch deprecating eplacement of pharmacists at the t time by unqualified persons whether ail, hospital or manufacturing phar- The Council instructed the secretary form the branch of their general nent with this view. (ii) The Leeds h urging the Society to ensure that a naceutical service was included in any e for a national health service arising f the Beveridge Report. (iii) The urgh and S.E. Scottish Branch g attention to the apparent lack of edge on the part of doctors of the ements of the Control of Cinchona cts Order, as evidenced by their prescribing. The Council decided to request the North British Executive to take the matter up with the Department of Health and the Scottish Branch of the British Medical Association. (iv) The Southampton Branch concerning a State medical service. The letter was referred to the Public Services Committee.

Employed Pharmacists

The Council agreed to invite the Chemical Workers' Union and the National Pharmaceutical Employees' Association to be represented at future meetings of the Conference on the Organisation of Employed Pharmacists.

Wednesday's Proceedings

New Members of Council

THE PRESIDENT welcomed Mr. C. W. Maplethorpe and Mr. A. A. Meldrum as new members of Council and each briefly returned thanks. The Council appointed Mr. Maplethorpe to serve on the following standing committees of the Council: Establishment, Public Services, Finance and Benevolent Fund Committees and also on the Editorial Committee of the "Quarterly Journal of Pharmacy and Pharmacology"; as a member of Council on the Codex Revision Committee he automatically became a member of the Codex Committee. The Council appointed Mr. Meldrum to serve on the following standing committees: Benevolent Fund, Law, Public Services and Organisation Committees.

Public Services Committee

Reports were given of the progress made in regard to a number of matters affecting pharmacists in the Army, Navy and R.A.F. which were under discussion with the appropriate authorities. It was reported that, as the result of representations, changes had been made which would result in those pharmacists who were acting as dispensers in the R.A.F. with the rank of corporal receiving the rank of sergeant.—A report was given by the Society's representatives who had attended the conference on Health Education and Venereal Diseases on February 26. A report was given upon the present stage of discussions with the Ministry of Health concerning four pamphlets which were being prepared for

distribution by pharmacists as a result of the Council's approach to the Ministry concerning ways in which pharmacists might co-operate in health education. Drafts of the leaflets would be submitted for approval in due course. It was agreed that the question of the possibility of pharmacies being mentioned in public advertisements as sources of information upon the location of and times of attendance at V.D. Clinics should be taken up with the Ministry.

Registration

THE REGISTRAR reported that during the past month thirty-six persons had been registered as apprentices or students and there had been thirteen restorations of premises previously removed.

Annual Meeting

The annual meeting of the Council was fixed for May 19 at 2.30 p.m., in London. Drafting of the annual report was referred to the Establishment Committee.

The Rt. Hon. Mr. Lloyd George

A letter was received from Mr. Lloyd George expressing appreciation of the Council's congratulations on his eightieth birthday.

Institute of Chemistry

From the report of the Education Committee it appeared that the Institute of Chemistry had agreed to accept the Society's Intermediate examination as satisfying the regulations relating to biology, in addition to physics previously accepted, for Associateship of the Institute.

Benevolent Fund

Special contributions to this Fund during February amounted to £222 12s. 8d. This included £200 from the trustees of the late Viscount Leverhulme, being the seventh and final instalment of a gift of £1,000. MR. MCNEAL called attention to successes of boys placed through the Fund in Reed's School, Watford. In one form of twenty-nine of the average age of 13 years 8 months one of the boys, aged 13 years 1 month, held first position; another was also first at the age of 11 years 5 months in a form of thirty of an average age of 12 years 3 months; and a third occupied fifth place in a form of twenty-nine boys.

Herbarium Competition

The report of the examiner on this competition having been received, a bronze medal was awarded to each of the two entrants, Mr. S. B. Challen (Blackburn) and Mr. Geoffrey Shaw (Barnsley). Tha were accorded Mr. T. E. Wallis for act as examiner.

Professional Conduct

The draft revised statement upon mat of professional conduct was submitted the Organisation Committee, whose rec mendation that the branches should invited to offer their observations ther was adopted as shown in the paragra below. The material printed in italics additional to the existing Statement.

(1) Advertisements should not include connexion with a recommendation: (*a*) name of a pharmacist; (*b*) a photograph a named pharmacist; (*c*) a pharmaceut qualification (however described) of a nan pharmacist; (*d*) a testimonial given b named pharmacist; unless they are advert ments of articles prepared by or sold exc sively by that pharmacist or by a corpor body of which he is a director or a partner

(2) Advertisements should not be iss to the public claiming that, in compari with others carrying on business in pharma (*a*) the advertiser's dispensing service is m accurate; (*b*) the advertiser's drugs are better quality.

(3) Advertisements of medicines sho not be issued to the public purporting to c or to exercise a salutary influence on t course of the following diseases: *arthri* lupus, deafness, rupture. (The following seases included in the previous statement ha been deleted because they are included in t Pharmacy and Medicines Act, 1941 [or Canc Act], namely—cancer, consumption, diabet paralysis, fits, epilepsy, locomotor ataxy a Bright's disease.)

(4) Advertisements of medicines sho not be issued to the public referring to sex weakness.

(5) Advertisements concerning contrace tives should not be enclosed in a packa with other goods without a request from t purchaser.

(6) *Contraceptive preparations and app ances or their illustrations should not exhibited in windows or showcases, or counters.*

(7) Drugs and medicines should not distributed by selling from door to door.

(8) *Orders for drugs and medicines sho not be solicited from door to door.*

(9) The efficacy of a physician's prescri tion or proposed treatment should not discussed with a patient in such manner to impair confidence.

(10) No substitution of articles or ingr dients prescribed by a physician should made save in cases of obvious error or an emergency. In all such cases the authorit of the physician should be obtained wherev possible. A note should be made on th prescription and in the prescription book any such alteration.

11) No inducement such as a prize or gift uld be offered to encourage the public to ng prescriptions to a pharmacy.

12) Where the price charged elsewhere a prescription is known, a lower price uld not be charged solely to undercut the vious price.

13) A drug or medicine notoriously capa- of being used to gratify addiction or other abusive purposes should not be plied when there is reason to suppose that s required for such purposes.

14) *The name and qualification of a rmacist should not be associated with the rketing of any preparation or treatment, ess the pharmacist is personally engaged in business so as to be able to supervise the rketing and distribution.*

15) *A pharmacist shall not be a director or rtner of an organisation carrying on a siness comprising the retail sale of drugs erwise than as an authorised seller of poisons.*

16) *A body corporate shall not operate a sidiary organisation in which any of the ectors or members of the committee of manage- nt acts in a similar capacity in the principal anisation to carry on business comprising retail sale of drugs otherwise than as an horised seller of poisons.*

(17) *Employment as the sole pharmacist in y set of premises should not be offered to, or epted by, a pharmacist when he is not able required by his employer to perform the full ties of a pharmacist in charge of a pharmacy.*

(18) *Names of substances in the British armacopœia or British Pharmaceutical dex, or names closely resembling them, shall t be applied to substances of a different nposition.*

(19) *Articles for medicinal use designated the Council as undesirable should not be sold.*

ex Revision

ne Council approved the recommenda- s of the Codex Revision Committee to ride amended formulas for preparations he British Pharmaceutical Codex and supplements thereto containing tincture yrup of lemon and liquid extract, syrup tincture of orange. These amended nulas were necessary because the asses and Industrial Alcohol Control not find it possible to allow the use of it for the manufacture of tinctures of nge and lemon and certain other holic preparations. The recommenda- s approved are:—

LIXIR SIMPLEX: The following alternative nula and method of preparation may be :—

	Metric	Imperial
Oil of orange ..	0·3 mil	3 ♏
Liquid extract of quillaia ..	0·3 mil	3 ♏
Soluble saccharin	0·46 gm.	4 gr.
Chloroform ..	2·5 mils	24 ♏
Distilled water ..	1,000 mils	20 fl. oz.

Dissolve the soluble saccharin in the distilled water, add the oil of orange, liquid extract of quillaia and chloroform, and shake until unitormly diffused.

ELIXIR BROMOFORMI: In making this elixir the tincture of orange may be replaced by alcohol (90 per cent.) containing 1 minim of oil of orange in each fluid ounce.

ELIXIR OVOLECITHINI: The tincture of lemon may be omitted.

LIQUOR BROMIDI COMPOSITUS: In making this solution the tincture of orange may be replaced by alcohol (90 per cent.) containing 1 minim of oil of orange in each fluid ounce.

MISTURA ACIDI ACETYLSALICYLICI COMPOSITA: The syrup of lemon may be omitted.

MISTURA ACIDI PHOSPHORICI: The syrup of orange may be omitted.

POTUS IMPERIALIS: The tincture of lemon may be omitted.

SYRUPUS AROMATICUS: The following alternative formula and method of preparation may be used:—

	Metric	Imperial
Cinnamon water ..	250 mils	5 fl. oz.
Simple elixir ..	750 mils	15 fl. oz.

SYRUPUS CASCARÆ AROMATICUS: In making this syrup the liquid extract of orange may be replaced by alcohol (90 per cent.) containing 3 minims of oil of orange in each half fluid ounce.

SYRUPUS POTASSII BROMIDI ET PILOCARPINÆ: In making this preparation the syrup of orange may be replaced by simple syrup and 2 minims of oil of orange in each 20 fluid ounces.

TROCHISCI SULPHURIS: In making these lozenges the tincture of orange may be replaced by 2 minims of oil of orange.

Law Committee

This Committee, of which Sir Malcolm Delevingne had been appointed chairman in succession to Mr. J. Jack (retired), reported that during the past month the inspectors had visited 959 authorised sellers, 150 listed sellers and ninety-six drug stores, and that 315 drug stores and other shops had been visited by the agents.

War Aid

Presenting the report of the War Aid Fund Committee, MR. DEACON stated that the first target of £25,000 had now been reached, the total standing at £25,824 15s. 9d. Support continued to be extremely satisfactory.

QUI FACIT PER ALIEM. . . . "On the first page of the British Pharmacopœia I notice that it is published 'for the General Medical Council.' Now, Mr. President, perhaps you will tell me the dose of styrax? What, you don't know! Never heard of it! . . . . Yet this book is published for you —in your name." Peripatetic Correspondent in the "Lancet."

HEALTH COMMISSION IN SOUTH AFRI

GIVING evidence before the National Health Services Commission in South Africa recently, Mr. John Christie (president, South African Pharmacy Board) said that a scheme whereby chemists' shops would dispense medicines under the service would not be unworkable. On behalf of the Board he submitted a memorandum on its constitution and functions. This explained that at present chemists and druggists carried out their professional activities in retail shops operating under licence; in hospital and other institutional dispensaries; or in manufacturing laboratories and control and research laboratories. If an organised health service was to be established it would be necessary for the Board to consider providing extra training facilities to cope with the probable increased demand that would eventuate.

Pharmacy Board's Duty

Whatever scheme resulted, it would be the Board's duty to ensure to the public an adequate pharmaceutical service and to the chemist and druggist full opportunity to carry on his calling with adequate economic security. The employment of persons for the dispensing of medicine in military or naval forces without insisting that they had undergone the course of study laid down by the Board, and passed the prescribed examination, was not in the best interests of the service. The statement agreed that the functions of the medical practitioner should be to diagnose and prescribe, and of the chemist to dispense. South Africa relied too much on overseas research, and steps should be taken to co-ordinate clinical and pharmaceutical research in the Union. The needs for greater control over the sale of proprietary medicines, more stringent control over the activities of unregistered persons, and prevention of duplication of names of similar products by the compilation of a South African Pharmacopœia were discussed. The necessity for a State scheme of health services had been apparent to the profession, the statement went on, for many years, particularly among the working and poorer sections of the population. Chemists were at present giving advice to people who in better circumstances would employ a medical practitioner; they would prefer that these people should obtain medical advice, but recognised the economic difficulties and did what they could to help.

There were 1,550 registered ch and druggists in South Africa, and ap mately 1,000 chemists' shops. These be used not only for the supply of me but also for the distribution of lite on health education. Mr. Christi chemists thought that any sche national health service decided upon be worked through the chemists and gists, acting in a retail capacity. It certainly raise the status of the phar if pharmacy could be separated fro "general-dealer" side of a chemist tivities. The pharmacist should be not less than 25 per cent. below th obtained by the medical practitione matters were at present, the fact t chemist and druggist sold things o the Pharmacopœia did not interfere his work or lower his efficiency as a fessional man. It might be a good if the public could be educated t without patent medicines, but che complained that many doctors were t selves guilty of recommending p medicines. The commission put a nu of questions to professional witnesse garding the future of the chemist's under central buying of drugs.

The Trading Side

It was pointed out that there w side of the chemist's activities other dispensing. The trading side of his bus helped to reduce the cost of his profess services. Before pharmacy was div from trade, that angle should be consid A 100 per cent. national service might the elimination of the chemist's sho they knew it today, but Mr. Christie that it would be many years before a system could be established. A me of the Commission said he believed th practice the sale of patent medic amounted to £5 per head of the populat but Mr. Christie thought the figure was for South Africa. He admitted that t were a number of excellent proprie medicines, and thought that a better of dealing with the problem would be the formula should be disclosed and re tered to prevent extravagant cla Although some patent medicines or prietary lines were good, others were form of legalised robbery." In So Africa dispensing provided only from 1 20 per cent. of the present income o registered chemist and druggist.

HEMISTS' AND DRUGGISTS' SOCIETY OF IRELAND

e annual meeting of the Chemists' uggists' Society of Ireland in Belfast rch 3, Mr. Fred Storey, Ph.C., was *President* for the twenty-fourth ive year. His re-election was moved . H. JOHNSTON, seconded by MR. H. and passed unanimously. MR. , in returning thanks, said he would he could to further the interests of ciety in the year ahead. A visitor ceived a cordial welcome from those was Lieutenant F. J. R. Storey, .R., son of the president.

l Reports

report of THE SECRETARY (Mr. James ley) showed that the membership en well maintained. They regretted ath during the year of Mr. Dodds, Crumlin, co. Antrim. Druggists' ntatives on the N.I. Council were . J. Grimes, J.P., William Martin, mes Irwin, Dunmurry (co-opted in of the late Mr. Samuel Gibson), and s Abernethy. Messrs. H. Johnston Nevin were representatives on the olent Fund Committee, and Mr. Fred on the Council of the Chamber of erce. There was a vacancy on the l owing to Mr. William Martin not advised when his term of office d in September. Mr. Martin was at t ill. MR. WILLIAM GIBSON presented nancial statement, which showed a e on the right side. Moving the on of the report and financial state- which was seconded by MR. A. E. , THE PRESIDENT said they had passed h another trying year. After three- half years of war, business had been going and stocks were better than een hoped. The president also made nce to proposed pharmacy legislation under consideration by the N.I. nment, and said that he had attended nual meeting of the Pharmaceutical y of Ireland in Dublin and heard the proposed new legislation for Eire.

on of Officers

e following appointments were made: *residents*: Messrs. F. T. Smith, . Wilson, John Grimes, J.P., and es Abernethy (re-elected on the pro- of MR. D. A. TAYLOR, seconded by IBSON); *Treasurer*, Mr. W. J. Gibson (re-elected on the motion of THE PRESIDENT, seconded by MR. F. BOYLE); *Secretary*, Mr. James Macauley (proposed by MR. CHARLES ABERNETHY and seconded by MR. JAMES IRWIN); *Committee* (re-elected *en bloc*, on the motion of MR. HOLMES, seconded by LIEUTENANT FRED STOREY); *Auditors*, Messrs. S. Nevin and H. McQuitty (proposed by MR. WILLIAM DOIG and seconded by MR. J. ANDREWS). MR. MACAULEY moved, and MR. NEVIN seconded, the election of Mr. Fred Storey as representative of the Society on the Council of the Chamber of Commerce; while Messrs. H. Johnston and S. Nevin were again elected to serve on the Benevolent Fund, on the motion of MR. J. GRAY, seconded by MR. H. MCQUITTY. MR. STOREY extended the sympathy of members to Mr. Irwin on the loss of his mother, and to Mr. H. Johnston on the loss of his wife. He also welcomed Mr. Robert Holmes, Ballymoney. No candidate was eligible for the Haslett Memorial medal this year. The claim for compensation for destruction of the Society's premises in Waring Street, owing to enemy action, had, it was reported, been agreed.

COMING EVENTS

Tuesday, March 16

ROMFORD BRANCH OF THE PHARMACEUTICAL SOCIETY, King's Hall, King's Head Hotel, Romford, at 7.15 p.m. Mr. D. G. Ardley on "The Chemotherapy of Bacterial Infections."

ROYAL INSTITUTION, 21 Albemarle Street, London, W.1, at 3 p.m. Sir Henry Dale (president, Royal Society) on "Chemistry in Modern Medicinal Treatment." (First of four weekly lectures.)

Wednesday, March 17

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Mr. F. W. Adams (deputy secretary, Pharmaceutical Society) on "Trends of Thought and Action."

Thursday, March 18

MANCHESTER PHARMACEUTICAL ASSOCIATION AND BRANCH, Onward Hall, Deansgate, at 7.45 p.m. Debate (see *C. & D.*, March 6, p. 251).

MEDICAL ABSTRACTS

Pethidine Orally as Analgesic.—The value of pethidine (hydrochloride of the ethyl ester of 1-methyl-4-phenyl-piperidine-4-carboxylic acid) as an analgesic when given by mouth was put to the test by Christie ("Lancet," March 6, p. 295). In 46 per cent. of 109 cases it was "clearly superior" to a mixture of aspirin, phenacetin and codeine; in 21 per cent. its effects were equal; and in 33 per cent. inferior. In a minority (about 8 per cent.) it proved less effective than morphine gr. $\frac{1}{4}$ or gr. $\frac{1}{6}$ by mouth. Toxic symptoms were rare and never serious. A slight danger of addiction is referred to.

Control of Gas-gangrene.—McIntosh and Selbie ("Lancet," December 26, p. 750) have, in experiments on mice, evaluated zinc peroxide, proflavine, and penicillin in the treatment of wounds infected with *Clostridium welchii*. Penicillin, injected at the site of infection within three hours, is found to act as a powerful prophylactic; it is superior to sulphonamides and flavine. Proflavine is more useful sulphanilamide and at least equal in to sulphathiazole in local proph Zinc peroxide applied locally is fou have no value in preventing develo of the organism.

Value of Pertussis Antitoxin.—Bu and co-workers ("Journal of the Am Medical Association," 120. 12. 886) made a study of the immunity ac induced or passively conferred by per antitoxin. The tests were made on sufferers from whooping cough an healthy patients. They claim to have s the antitoxin to be capable of preve whooping cough when given in the in tion period and prior to onset of the c When the disease is established the toxin is of little value in reducing parox Vaccine and toxoid are capable of incre the pertussis antitoxin titre in the of normal children.

COUPONS FOR GLASS-CLOTHS

A STATEMENT by the Board of Trade on March 2 indicated that the special ration of towels for factories between that date and December 31, 1943, would be at the rate of four coupons for every ten manual workers employed for more than twenty-two hours per week, plus an additional four coupons for every ten such workers in certain special classes. The special classes included workers in chemicals, dyeing, glass bottles, gut scraping, india-rubber, lead compounds, luminising, the manufacture or refining of sugar, oil-cake and paints and colours; together with workers liable to come in contact with synthetic glue or other substance involving risk of dermatitis. Applications for the rations should be made by the factory occupiers only. These should write to their District Inspector of Factories asking for form M.L. 2050. Doctors, dentists, district nurses, domiciliary midwives and registered medical auxiliaries might claim a ration for the period at the rate of four coupons for doctors, district nurses, domiciliary midwives and masseurs; and eight coupons for dentists and chiropodists. Veterinary surgeons would be granted coupons according to circumstances.

Mr. G. A. Mallinson (secretary, National Pharmaceutical Union) states that negotiations with the Board of Trade for the issue of special ration documents to e pharmacists to obtain a limited supp glass cloths for use in the pharmacy on the point of completion on Mar and official forms on which applicatio the issue of the appropriate ration ments could be made would shortly be available. The application forms wou obtainable from the N.P.U. in Eng and Wales, and from the Scottish I maceutical Federation and Ulster Chem Association in Scotland and Nort Ireland respectively. Proprietor che in immediate need of replacing glass-c for pharmacy use should make applic (on a postcard bearing the business and full postal address) for the o application form. The arrangements made would ensure supplies to all p macies as and when there was a pr need for replacement. In view of sta difficulties it was requested that applic should not be made until the need replacement arose.

Paper Economy.—Business concerns paper economy ideas which have pr successful are invited to send details t Waste Paper Recovery Association, Fleet Street, London, E.C.4, who publicise them.

TRADE MARKS

"*The Trade Marks Journal,*" *February* 17)

"L"; for soaps, perfumery, toilet preparations, etc. (3); goods (4); and for all goods . By H. Ibbetson, Ib-co Works, Great orth Road, Stevenage, Hertfordshire. 1,574–75–76 (Associated).

"ACOL"; for medicated inhalants for man use (5). By T. J. Smith & Nephew, d., Neptune Street, Hull. B620,888.

"KEARSLEY," facsimile signature; for pills r human use (5). By C. & G. Kearsley, d., 83 Cannon Street, London, E.C.4. 9,366.

"IC"; for preparations for combating sts on plants and trees (5). By Cooper, cDougall & Robertson, Ltd., Ravens Lane, erkhamsted, Herts. 620,577.

"ICIDE"; for insecticides (5). By Cellon aboratories, Ltd., 380 Richmond Road, ingston-on-Thames, Surrey. 621,160.

"AVLON"; for all goods (5). By Imperial hemical (Pharmaceuticals), Ltd., Wexham oad, Slough, Bucks. 621,301 (Associated).

"COLATE"; and "BENYPSIN"; for pharaceutical substances for human and eterinary use, sanitary substances, and ifants' and invalids' foods (5). By Benger's, td., Holmes Chapel, Cheshire. 621,390 Associated); 621,391.

"NSILLA"; for sanitary towels (5). By J. Iacdonald, Dawson Street, Greengate, alford, 3. 621,424.

"AYTEX"; for air-beds, etc., pillows for isomnia, non-medicated socks and stockings for curative purposes, and surgical loves (10). By International Latex Corporation, Playtex Park, City of Dover, Delaware, U.S.A. 619,984 (Associated).

"TORA"; for mineral waters, etc. (32). By IcKenna & McGinley, Ltd., Alexander treet West, Belfast, N.I. 620,647 Associated).

APPLICATION CANCELLED

ording to "The Trade Marks Journal," February 17, specification No. 619,783, by Evans Sons Lescher & Webb, Ltd., has been ancelled in respect of pharmaceutical and eterinary preparations and substances, other than preparations of bismuth compounds.

om "*The Trade Marks Journal,*" *February* 24)

"MPERE"; for toilet preparations, soaps, perfumes, etc. (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 621,565 (Associated).

"AXACON"; for medicated tablets for constipation (5). By H. Clark, trading as Laxacon Products, 399 Parliamentary Road, Glasgow, C.4. 619,824.

"ITAPLAST"; for bandaging material, dressings and plasters for surgical or medical purposes (5). By Carnegie Bros., Ltd., 227–29 Essex Road, Islington, London, N.1. 621,695.

PERSONALITIES

MR. F. S. HOLT, M.P.S., Bridge Street, Bridlington, Yorks, was on March 4 installed W.M. of the St. John of Bridlington Lodge No. 4434.

MR. IVAR THRONDSEN, managing director of Johnsen & Jorgensen Flint Glass, Ltd., London, E.C.4, celebrated his seventieth birthday on March 10.

MR. FRED STOREY, Ph.C., representing the Ulster Society for the Preservation of the Countryside, of which he is chairman, took his seat at a meeting of the Northern Ireland Planning Advisory Board on March 3. He was welcomed by the chairman.

MR. L. H. LAMPITT, D.Sc., F.I.C., has been awarded the medal of the Society of Chemical Industry in recognition of the great services he has rendered to the Society. Dr. Lampitt became a member of the Council in 1931. He has been chairman of the Food Group, foreign secretary and, since 1936, treasurer. From its foundation in 1939 Dr. Lampitt has been the chairman of the Chemical Council.

DEATHS

CRAINE.—Recently, Mr. Thomas Howard Craine, M.P.S., 11 Bute Street, South Kensington, London, S.W.7, aged sixty-four.

GRIFFITHS.—On February 28, Mr. Charles Henry Griffiths, M.P.S., of Moulton, Cheltenham, a director of United Chemists Association, Ltd., and formerly in business at Manchester, aged eighty.

RECENT WILLS

MR. MATTHEW GOWANS, 24 Jameson Place, Leith, Edinburgh, a director of Harkness, Beaumont & Co., Ltd., wholesale chemists, who died on October 2, 1942, left personal estate in Great Britain valued at £3,389.

MR. OSCAR ARCHIBALD FORTEY, M.P.S., St. Mark's Pharmacy, 259 Gloucester Road, Cheltenham, a director of Trinder & Co. (Chemist), Ltd., Cirencester and Gloucester, who died on August 12, 1942, left £8,892 gross, with net personalty £4,704.

MR. WALTER DENTON, 82 Cornwall Road, Harrogate, a director and for some years secretary of Brotherton & Co., Ltd., chemical manufacturers, Leeds, a director of Yorkshire Tar Distillers, Ltd., and other companies, who died on September 1, 1942, left £56,273, with net personalty £54,976.

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INFORMATION WANTED

Postal or telephone information with re to the makers or first-hand suppliers of undermentioned article will be appreciated:—

WMN/41. Tannaline (for dogs). Maker's na

THE
HEMIST AND DRUGGIST
ESTABLISHED 1859
ETAILER — WHOLESALER — MANUFACTURER
ulates throughout the Pharmaceutical, mical, Drug, Essential Oil, Perfumery, metic, Toilet Preparation and allied des and Industries in Great Britain, Eire, British Empire, and foreign countries
ial organ of The Pharmaceutical Society of nd, The Pharmaceutical Society of Northern nd, The Chemists' and Druggists' Society of nd and of other Chemists' Societies in the Empire
.. CXXXIX MARCH 13, 1943 NO. 3292

e fact that goods made of raw materials short supply owing to war conditions are ertised in this paper or described in its torial columns should not be taken as an lication that they are necessarily available export.

Toilet Preparations Export Quotas

HE Perfumery and Toilet Preparations port Group recently issued a circular to members advising them that as from bruary 15, under the Export of Goods ontrol) (No. 1) Order, 1943 (*C. & D.*, bruary 6, p. 130), the export of toilet eparations, whether medicated or not, ould be prohibited except under licence. nder the licensing scheme the Board of rade has issued to the Export Group bulk ences up to certain f.o.b. value limits r four groups of overseas destinations; location of permits to individual exporters eing left in the hands of the Export Group. he granting of these permits is, it is nderstood, to be based on a percentage f the applicant firm's exports to each of e four groups of overseas destinations uring 1941. For instance, if in that year Blank & Co. exported to group 4 destinaions toilet preparations valued at £1,000 .o.b., they would now be eligible for export ermits to the markets in that group up to certain percentage of that amount, but hey could not be issued with permits to xport their goods to markets in groups 1, 2 r 3 as alternatives. If they did not export at all during 1941 they cannot now obtain licences to do so, although they have supplies of goods available for that purpose.

Where restriction of trade in the home market has been necessary the quota system based on past trade has been found to be equitable and the scheme has worked fairly well. Isolated cases of hardship have, of course, been inevitable, but, by and large, the doling out of home trade business on a *pro rata* basis has by general consent been the best method of sharing a limited volume of war-time business in non-essential goods.

Obstructing Exports

Such a scheme when applied to export business is, in our opinion, impracticable, and is not in the national interest. Manufacturing conditions have changed very considerably since 1941. In that year some makers may have been well placed for raw materials and stocks of finished products, and they probably exported quite considerable quantities of goods. They may now be short of supplies and for that reason not interested in exporting, although, on their 1941 business, they would be eligible for export permits. Other firms, particularly those who suffered from enemy action in 1941, may have done little or no exporting in that year but are now in a position to ship moderate consignments. Under the scheme of export licensing adopted they will be refused permission to do so. A position must arise where some firms have export orders and no licence, while others, eligible for shipment permits, are not at present doing export business. This will tend to lead to the selling of export quotas as has been the case in home trade business, a practice that should not be encouraged. Many other weaknesses inherent in such a system when applied to export trade will be apparent to those of our readers concerned with shipment business.

So far as the national interest is concerned the rule of thumb system adopted is bound to mean loss of business. The overseas buyer is not concerned with our internal difficulties. If he is not allowed to have Blank & Co.'s brand of goods, which he may have bought in 1942 but not in 1941, it should not be taken for granted that he will place his order with another British

manufacturer. Export connexions may be lost in a day through the rejection of a single order, but they take years of hard work and the outlay of much money to build up. The devisers of this export quota scheme appear to have considered the matter from the wrong angle. They have ignored the much changed conditions of two years ago, and the great distinction between home trade and export business. The main point of maintaining our export connexions seems to have been overlooked altogether. We suggest that any and every manufacturer of this class of goods who now has supplies available for shipment, and who has definite orders on hand, is entitled to participate in the bulk quota permitted by the Board of Trade to be shipped. Applications for export licences should be judged solely in the national interest and the need to keep our overseas trade connexions.

Education and Apprenticeship

In a recent issue (January 6, p. 141) we discussed some of the changes which might be brought about in pharmacy if Assumption B of the Beveridge Report were to be put into operation by Parliament. The consequent reconstruction of the health services in this country might result in the majority of pharmacists becoming in effect civil servants, and the chemist's shop developing into a department store including a pharmacy department with little, if any, dispensing. Should such changes come about there would be drastic repercussions on apprenticeship and education in pharmacy.

The general level of scholastic education will be progressively raised in post-war years if the plans now being made come to fruition, as it is reasonable to suppose they will. This means that the general and technical education of the pharmaceutical student will have to be of a correspondingly higher standard if chemists are to maintain their standing in the community. Yet even today those who have qualified in recent years find little scope in the average pharmacy for exercising the knowledge they have acquired. Hospital and manufacturing pharmacy alone seem to offer adequate opportunities for the pharmacist who regards pharmacy as his calling. If, however, the health centre projects materi se, opportunities would or should be ne available.

Obstacles to Adequate Training

The transition to new ways would n of course, take place in a day, nor woul ll pharmacists wish to leave retail pharm y for State service, but a serious pos n might arise in regard to the inflov f personnel into pharmacy. As dispensir n pharmacies diminished, establishments t- able for training apprentices would decr e in number. Even today one of the c - plaints of pharmacy teachers is that n commencing the college stage of his ca r the student often has to unlearn the d pharmaceutical habits he has previo v acquired. It is not difficult to forese a situation arising in which there are v apprentices, few pharmacies suitable r training them, and the standard of phar - ceutical knowledge continually increasi ; yet there is less and less scope for s application of such learning in the ret . What the answer will be time alone d show, but should the Government dec on considerable expansion of the hea services, with the consequent increase hospitals, pharmaceutical training mi well have to be a degree course at a univ sity, preceded or followed by a period in pharmaceutical department of a hospi corresponding to the "walking" of medical practitioner.

Some teachers of pharmacy favour university training even today, not sole it should be pointed out, for the pharm ceutical knowledge acquired, but for t cultural advantages gained by mixing w arts, science and medical students. Su a change would certainly favour the alte tion of title from pharmacist or chemist a druggist to pharmaceutical chemist, and the same time assist in giving the possess his proper status in the community.

South African Pharmacy Look to the Future

While pharmacists in Britain are—or shou be—drafting the outlines of the part the hope to play in the comprehensive medic service without which a Beveridge pla cannot be implemented, South Africa

macists have been giving evidence re a National Health Services Commis-

Thus once again developments in macy in one part of the Empire have counterpart in another. In the n, however, pharmacists have been n into consultation beforehand. They fortunate in having had for their chief agonist Mr. John Christie—a chemist tail business and chairman of the South can Pharmacy Board, with experience as ember of the South African parliament. Christie has represented (*see* p. 268) dispensing under any scheme of onal health service decided upon should carried out by chemists, and in the ting chemists' shops. A 100 per cent. onal service might mean the elimination he chemist's shop as it exists today, and ould be many years before a system on r lines could be established. On behalf he Pharmacy Board, Mr. Christie also ed that the right method of dealing with prietary medicines (and ultimately any ional medical service will involve some trol of them) was by means of registra- of formulas. What the outcome of the nmission's deliberations will be it is too ly to say, but at least it is possible to be e that, whatever the issue, no step will e been taken in ignorance of the point iew of pharmacists.

A Raw Materials "Vade-Mecum"

METHING of a new departure in the way Government service has been made by e Ministry of Supply. In a "Raw Mate- ls Guide" dated December 1942, but st issued with a Press notice dated March the Ministry sets out to supply concise t complete information about nearly e thousand raw materials. The informa- on given includes an indication of the emical or botanical nature of the com- odity and its geographical source or urces at the present time (pre-war sources t at present available to importers are ft out). The main value of the "Guide" es, however, in the information given out the Controls—their departmental de letters and addresses—and about the tatutory Rules and Orders that have been issued to regulate dealings in each commodity.

Progressive Survey

A "March of Time" character has been given to the publication by the inclusion of official Orders in chronological sequence, so that the reader is afforded a progressive survey of the material from the start of the Control. The powers of the Minister of Supply are set out in detail, and provision is made for the continued usefulness of the "Guide" by the announcement that the pages of addenda, which it is proposed to publish monthly, will be numbered consecutively from the last folio in the present booklet. A typical entry—"Beeswax"—will serve to illustrate the scope of the publication as a whole:—

> Beeswax is extensively used in the manufacture of munitions, and anti-gas ointment, candles, dubbin and leather polishes. Its purely civilian uses were for furniture polish and cosmetics.
>
> Though a very small quantity is obtained in this country, it is mainly imported in bulk from Tropical Africa. The principal sources of supply include Abyssinia, British East Africa, Anglo-Egyptian Sudan, and also a not inconsiderable supply from India.
>
> Special purchasing arrangements have been made with various countries, such as Tanganyika, Belgian Congo and Portuguese Africa, and co-operation exists with the purchasing authorities of the U.S.A. on ceiling prices.
>
> The finest quality Beeswax is provided by Tanganyika.
>
> There is no Statutory Control for Beeswax, but Import and Export licences are required, whilst all Import licences are endorsed, "SOLD TO MINISTRY OF SUPPLY."
>
> Stocks are held by Director of Sundry Materials, and such control as is necessary is exercised through the Association of Merchant Distributors of Beeswax.
>
> Licences obtainable from:—EXPORT LICENSING DEPARTMENT, Inveresk House, Strand, London, W.C.2; IMPORT LICENSING DEPARTMENT, 1–6 Tavistock Square, London, W.C.1.
>
> Further Reference, pages . . . .

At the booklet's price of one shilling, H.M. Stationery Office seems likely to experience a heavy demand from all whose business activities are concerned in any way with the raw materials dealt with, and intending users who wish to avoid delay would do well to place an early order with a bookseller or direct.

METHYL CELLULOSE AS A BINDIN AGENT FOR TABLETS

by G. R. Milne, Ph.C.

METHYL cellulose has for some time been suggested as a substitute for vegetable gums, such as tragacanth, acacia and agar, in the preparation of emulsions and suspensions. It is obtainable in various grades which are dependent on the viscosity of the gel formed on mixing with water. Makers of these products claim that mucilages made from them are stable to heat and are not subject to attack by micro-organisms and moulds. This work shows how the mucilage may be used to granulate ingredients for tabletting. In order to make comparisons various other granulating agents were used and the resultant tablets tested for disintegration time by means of the apparatus described by Berry ("Quarterly Journal of Pharmacy," xii. 3. 501).

Experimental Work

It was decided to use compound aspirin tablet, B.P.C., for all experiments. Ten times the B.P.C. quantities of the various ingredients were weighed out, powdered and mixed. The powder was then divided into five equal batches which were granulated with the following granulating agents: (A) 50 per cent. alcohol (21 mils); (B) 10 per cent. starch mucilage (19 gm.); (C) 10 per cent. gelatin solution (13 mils); (D) equal parts mucilage of acacia and syrup (13 mils); (E) 3 per cent. P.M.B. 444 solution (15 gm.). The moist mass in each case was passed through a No. 20 sieve and the granules dried at 40° C. To the dried granules, 4 per cent. of a mixture of equal parts of starch and talc was added to act as a lubricant. The tablet machine was adjusted to give a firm tablet weighing 6·5 gr., and which did not break when dropped on a stone floor from a height of one metre. The machine was fixed in this condition so that all batches of granules should so far as possible be compressed to the same degree. All tablets were tested at intervals for disintegration rate by Berry's method and the results are recorded in the adjoining column.

Conclusions

From the figures in the table it can be seen that methyl cellulose compares favourably with starch mucilage and gelatin solution. The disintegration in these cases was of the explosive type, no caused by the rapid absorption of by the binding agent. With regard results for the alcohol and mucilage it must not be concluded that the t would not disintegrate at all. It was that by shaking the apparatus gent weight could be made to cut throug tablet. The results obtained can on used for comparative purposes, and it be realised that the conditions of th do not approach the conditions ex in the stomach when the tablet ingested.

TIME (IN SECONDS) FOR DISINTEGRA

Age of tablet	A	B	C	D	
5 days	300+	45, 37, 39, 35, 38, 39, 41, 36, 40, 41 Av.=39·1	41, 37, 39, 39, 40, 38, 34, 39, 38, 40 Av.=38·5	300+	32, 60, 42, Av.
7 days	300+	34, 36, 30, 28, 44, 36, 30, 39, 32, 32 Av.=34·1	40, 41, 71, 41, 39, 38, 36, 43, 74, 41 Av.=46·5	300+	47, 47, 30, Av.
14 days	300+	40, 36, 42, 42, 40, 35, 39, 32, 42, 36 Av.=38·4	38, 47, 36, 38, 42, 42, 35, 41, 38, 45 Av.=40·2	300+	42, 45, 50, Av.
3 months	300+	41, 38, 36, 42, 46, 39, 41, 42, 43, 40 Av.=40·8	37, 39, 41, 44, 40, 43, 42, 40, 40, 41 Av.=40·7	300+	41, 40, 48, Av.
10 months	300+	44, 43, 39, 41, 40, 38, 45, 41, 39, 40 Av.=41	36, 42, 40, 41, 40, 40, 38, 44, 40, 40 Av.=40·1	300+	42, 41, 47, 4 Av.=

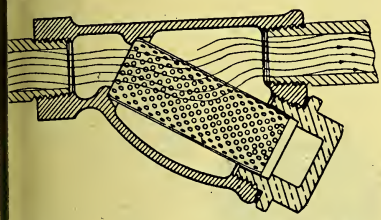
This work was carried out in the Sc of Pharmacy, The Royal Technical Coll Glasgow. (*C. & D.*, March 6, p. 235).

VITAMINS NOT APPLIED FOR.—It stated at a meeting of North Wales C sumers' and Food Traders' Council, Colwyn Bay, recently, that only 26 per c of persons eligible to obtain orange j had applied for it; the percentage for liver oil was even less.

MACHINERY NOTES

Strainers for Pipe Lines

a chemical engineer the value of nt strainers for pipe lines conveying , steam, compressed air, and fluids neral, in removing every trace of grit uspended solid matter hardly requires asis. A neat and efficient strainer by Walker, Crosweller & Co., Ltd., enham, Glos, is the Arkon type Y. is in the form of a small fitting—



nal drawing of type Y Arkon strainer fitted to horizontal pipe line.

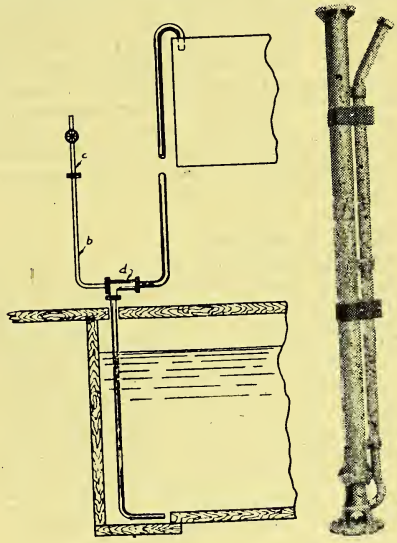
lly screwed into the pipe line—having ojecting portion at the bottom which ains a cylindrical screen inclined at an e, through which the compressed air he fluid passes, whilst the separate l particles fall to the bottom by gravity.

ning

rom time to time the end cover is unwed and the screen taken out to remove separated material. The strainer is d with the cap downwards and prefery in a downcoming or horizontal pipe s to collect grit and dirt in addition to ring. Sizes are available to suit pipes hin the range of ½-in. to 8-in. diameter, constructed of gun-metal or malleable n for 150-lb. or of cast iron for 125-lb. ssures, whilst flange fitting instead of ew thread may be incorporated. The ndard hole-size for the screens is $\frac{1}{64}$ in. meter. As an indication of the small nensions of the complete fitting the ½-in. e malleable iron is of 3¾ in. overall length, in. overall diameter, and 2¾ in. overall oth, whilst for the largest (1½ in.) size e corresponding figures are 7⅜ in. length, in. diameter, and 5½ in. depth. The eens are usually of perforated phosphor onze metal sheet, but alternative materials ay be used as required (e.g. monel metal d stainless steel); if desired, hole-size ay be from as low as 200-mesh screen as large as ⅛ in. diameter.

Steam Jets in Chemical Processes

The use of steam jets for forced draught in steam boilers and other furnace settings is well known, but it is not always realised that such jets have other specialised applications in the chemical and allied industries. Their use for conveying liquids through pipes, agitation, oxidation by aeration, and



Left, Typical installation of Meldrums steam-jet acid elevator, showing (c) ordinary iron steam-pipe; (b) short length of lead steam-pipe; and (d) acid elevator conveying acid from tank below to tank above. *Right*, Meldrum steam-jet ejector for lifting liquid containing crystals to overhead tank.

exhaustion, is in some instances to be considered a method superior to any other. To obtain the best results for boiling water or other liquids in tanks, vats or pans, by direct admission of steam, it is, of course, essential to use a jet of scientific design.

Acid Elevators

Among pioneers in the use of steam jets for forced draught are Meldrums, Ltd., Timperley, near Manchester, who have specialised on alternative applications of steam jets. Typical among such applications are acid elevators made either of cast iron, gun-metal, regulus metal, ebonite, or the firm's own special acid-resisting metal.

Constructional Details

The elevators consist of a relatively small fitting connected to a steam supply passed through a specially designed jet and associated with suction and discharge pipes for the acid or other corrosive liquid. The equipment is available in a number of standard sizes with a capacity from 200 to 5,000 gall. per hour, the suction and delivery pipes respectively being within a range of from ¾ in. to 8 in. diameter. By means of the elevator, acid or other liquids are efficiently lifted from its container by a suction or elevator pipe and discharged into an overhead tank or other receptacle. A length of lead steam-pipe is fitted to the ordinary iron steam-supply pipe, with control valve to eliminate any corrosion of the latter. The amount of steam used is extremely small, and usually the dilution resulting is of no importance in the manufacturing process in which the acid elevator is being used.

Solution by Agitation

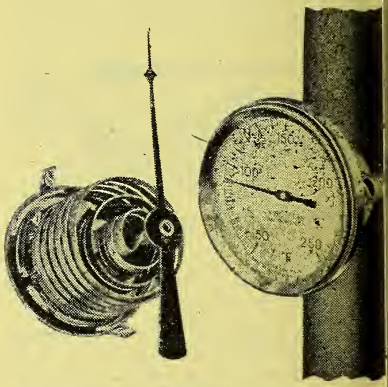
In agitation to secure solution of chemicals and other materials, the jet agitator is often the most suitable apparatus, being, of course, cheap, small in size, easily applied, and with no moving parts to get out of order, its only accessory being a steam valve. The steam-jet agitators are made in twelve standard sizes, with a steam pipe of from ½ in. to 4 in. diameter, while the inlet pipe for the air, which is injected by the action of the steam pipe and blows through the liquid, is from 1 in. to 8 in. in diameter, corresponding to the delivery of 1,000 to 61,000 c. ft. of air per hour. The figures given are calculated as general examples, on the basis of 50 lb. per sq. in. and 8 ft. head counter-pressure.

Salt Ejection

Another application of the jet is the salt ejector, for discharging salts in the form of concentrated liquor with separated crystals, such as sulphate of ammonia. This is a neat and compact arrangement consisting of an ejector pipe made of acid-resisting metal with a steam jet at the bottom, and attached to it a steam supply-pipe made of regulus metal, the two pipes being securely banded together. The equipment is placed in a salt tank or vat and coupled to a steam supply with a valve which, on opening, discharges the whole of the contents continuously. It does away, of course, with the old method of "fishing out" the crystals by hand.

Pipe-surface Thermomete

In many processes in the che industry involving the use of both s and hot water it is often of importan know the temperature of the supply p Instruments designed for this sp purpose are made by the British Rotot Co., Ltd., Merton Abbey, London, S.V These are dial thermometers, of w two models are available. The prin



Left, Multiple-helix Rototherm thermometer ele carrying pointer for dial on free-floating prin *Right*, Rototherm dial thermometer for indic temperature on outside surface of a pipe.

of the instrument, which is almost unbr able, is the expansion and contractio a continuous (unbroken) multi-helical, t bi-metal strip, in conjunction with a on which a pointer moves over a gradu temperature-scale. This can be r easily from a considerable distance, a clock or pressure-gauge, and is thus q different from a mercury thermome The back of the instrument is fitted wi curved, soft copper contact-piece, w beds down on the pipe, and through w the heat is transmitted to the element direct conduction. One pipe model is h in position by a close-coil metal spr which passes round the pipe, whilst other is attached with a screw clip. Be fitting, the pipe is first cleaned from paint, rust, or other adherent material.

Fitting the Dials

The thermometers have 2½-in. dials, s ably graduated; different sizes of clips available for application to standard ½ to 3-in. pipe sizes. Fitting is carried in about two minutes. The model us

close-coil spring, which is lower in price n the clip model, is also made in two ns, one for horizontal and the other vertical pipes. The clip model, however, be adjusted for either horizontal or ical application. A wide range of these thermometers is available. The bi-al is formed from two different nickel-alloys, one being of low- and the other igh-expansion type. These are obtained billets, pressed together, heated in an tric furnace to the plastic condition to se complete adherence or bonding, and ed down to extremely thin sheets, which then cut into narrow strips. Such strips and or contract with absolute accuracy, direct proportion to the temperature, can be supplied to cover ranges from us 50° F. to plus 1,050° F. The use a single coil is not, however, a practical position, because it has to be of great gth to give sufficient expansion. Also has a separate longitudinal expansion contraction, causing the pointer to ve backwards or forwards in a horizontal ne, which causes inaccuracy in the dings.

utralisation of Movement

For this reason, in the Rototherm a siderable length of bi-metal strip, up say 20-25 inches, is wound in the form a series of short continuous coils of ferent diameter and alternately opposite itch," one inside the other. This difficult ration is carried out by the use of a cial precision machine, by means of ich the long length of strip is formed thout a break) into a short inner coil, n another coil of the reverse pitch wound er the inner coil, followed by a third coil the same pitch as the first, and so on, ich neutralises all horizontal movement. most cases a 3-coil or a 4-coil element is ed, and in many of the models the pointer carried on the "free floating" principle, thout bearings.

Chlorinated Rubber

As an external coating for the prevention corrosion of steel and other surfaces a aterial of outstanding importance today chlorinated rubber. Detel, a special riety of chlorinated rubber, is the entirely itish production of Detel Products, Ltd., reenford, Middlesex. The product was vented by Mr. F. Dyche-Teague (technical rector of the company), and one of its ost successful applications has been in the protection of ships against sea water, but for security reasons it is not possible to give details of the most recent work in this connexion. Another important use is for the protection of structural steel, especially when exposed to the atmosphere, as in much chemical plant, electric-light standards, overhead conveyors, pipe circuits, and water-softening plant. The material is supplied in solution in an organic solvent, for applying as paint to the metal. One pound is sufficient to protect 1,800 sq. ft. of surface. The amount is thus trifling in relation to the benefits obtained.

Varieties for Special Purposes

The product forms a peculiarly adhesive, resistant yet flexible coating or film on the surface of the steel or other material. For metals it is generally supplied in a modification known as "D.M.U.," which contains a considerable proportion of finely powdered zinc, which gives an additional protection against corrosion, the minute electric currents formed during the corrosive process tending to attack the zinc and not the surface. Chlorinated rubber, which is non-poisonous, has a number of other valuable properties. For example, it possesses extraordinary resistance to the passage of electricity, and its insulating properties, as well as its dielectric strength, are superior to those of pure rubber. Chlorinated rubber is in practice completely fireproof, and only chars slowly even when attacked by a blow-pipe flame, being thus strikingly different from rubber itself, which is both inflammable and peculiarly obnoxious and dangerous when on fire because of the offensive smoke and fumes formed, and the difficulty of extinction. A chlorinated rubber coating is highly resistant to the penetration of liquids and gases. It is therefore valuable for painting concrete to prevent penetration by water (e.g. in air-raid shelters).

War-time Uses

In present conditions it is being used to coat the outside of cans and other food containers that are liable to be exposed to the weather, or to damp atmospheres, both in transit and during storage. To paint the soldered seals of containers for dehydrated foods the product is supplied as a clear lacquer which is characterised by extreme flexibility and adhesion, although impervious to water vapour and all gases.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils rep the prices for wholesale quantities of standard quality. C.i.f. quotations do not i marine war risk insurance and other abnormal charges payable in the present emer

28 Essex Street, W.C.2, March 10

THE London drug and chemical markets continue on a rather quiet note, with business certainly no more in volume than recent average. The general tone, however, is reasonably steady and most of the few alterations in values are to somewhat higher figures. Demand for PHARMACEUTICAL CHEMICALS has been of a routine character and prices generally are quite steadily maintained. The only important change in this section concerns CAFFEINE and salts, for which a new schedule of increased prices has now been issued. (See opposite page).

Crude Drugs

This section of the markets has enjoyed perhaps a little more inquiry this week, but generally business remains poor. The list of crude drugs which for various reasons are no longer obtainable has been lengthened by the recent addition of several items, notably buchu leaves, senega and sarsaparilla. Inquiries for these and similar products persist, however, and dealers are kept busy answering such requests. Business in AGAR amounts to very little, the only permissible use being for the preparation of bacteriological media. Cape ALOES is the only variety of this drug of current interest. ANTIMONY continues to be supplied for essential requirements at unchanged prices. BALSAMS are without quotable alterations on the week. BENZOIN has again been in good request at steady prices. Spot supplies of BUCHU have been cleared from the market. Prices of CARDAMOMS are higher in India with the result that spot is quoted at a lower rate than that now ruling for shipment. A good deal of inquiry has been received for CASCARA SAGRADA but no supplies appear to be available at present. Only one variety of CHILLIES—Mombasa—is offered. ERGOT is in somewhat better demand and prices are inclined to be firmer. Quiet conditions obtain for GUM ACACIA with values unchanged. IPECACUANHA remains exceedingly firm with many requests from consumers; supplies of B.P. Minas are exceptionally difficult to find. Business in MENTHOL is of routine character. RHUBARB is scarce with remaining supplies firmly held. As noted last week, spot suppl SARSAPARILLA are exhausted. A market continues for imported SEEDS previous prices repeated. The Cont Lac (No. 2) Order, 1943, made b Ministry of Supply, prohibits as from 15 the sale, disposal and use for any pu of lac, except under licence. Lac is d in the Order as the resinous secretion lac insect whether in the form of sti seedlac, buttonlac, shellac, recovere or any other form. Direction No. 1 i under the Order permits the acqui and use without licence of quantitie aggregating more than 164 lb. in calendar month. Applications for lic to dispose of, acquire or use lac shou made to the Miscellaneous Chemical Co Ministry of Supply, Terminal Hous Grosvenor Gardens, London, S.W.1. applications must show applicant's s of each grade held and their situation o date of the application, and applica for licences to acquire or use lac must description of each use and the ra consumption per month for each Demand for STROPHANTHUS SEED has small and prices are without ch WAXES are steady.

Essential Oils

Business in essential oils has again restricted in volume and confined to s quantities for immediate consump Prices are generally unchanged. A (STAR) is maintained at the figures recently, but a few odd drums in ou hands may be obtainable at a cheaper Spot supplies of CITRONELLA are difficu find. English distillers' prices for C are unaltered. EUCALYPTUS remains in demand but supplies are not plen GINGERGRASS and PALMAROSA may be in small compass on spot. PEPPERMI in short supply.

Pharmaceutical Chemical

ACETANILIDE.—Supplies of B.P.C. cry may be had at 2s. 5d. per lb.; powder, one p per lb. extra.

ALLOBARBITONE.—May be had from ma at approximately 64s. per lb.

AMPHETAMINE.—Steady at the previo quoted price of about 160s. per lb.

PIRIN.—Fair demand, makers' prices unchanged. One-cwt. lots are quoted as follows: 3s. 4½d.; 4 lb., 3s. 2¾d.; 7 lb., 3s. 2¼d.; , 3s. 2d.; 28 lb., 3s. 1½d. per lb. TABLETS. der 5,000, 3s. 5d.; 5,000, 3s. 3d.; 10,000, d.; 25,000, 3s.; 50,000, 2s. 11d.; 100,000, d.; 250,000, 2s. 9½d.; 500,000, 2s. 9d.; ,000, 2s. 8d.; 2,000,000, 2s. 7d. per 1,000.

ROPINE.—Makers' prices per oz. for id, sulphate, methyl bromide and methyl e were given last week (p. 254).

RIUM SULPHATE, B.P. (*x*-ray).—Makers' tions per lb. for lots of 28 lb.–1 cwt. are as vs (containers in brackets): 1s. 5½d.); 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. b.); 1s. 2d. (28-lb.).

MUTH SALTS.—Current quotations per lb. he two leading salts are as follows: CARTE.—Under 4 lb., 11s. 8d.; 4 lb.–8 lb., 2d.; 8 lb.–28 lb., 10s. 5d.; 28 lb.–1 cwt., not less than 1 cwt., 8s. 9d. SUBNITRATE.— r 4 lb., 10s. 3d.; 4 lb.–8 lb., 9s. 9d.; -28 lb., 9s.; 28 lb.–1 cwt., 7s. 10d.; not han 1 cwt., 7s. 7d.

RAX.—Makers quote as follows: B.P., ulated, £39 10s. per ton; crystal, £40 10s.; der, £41. Packed in one-cwt. bags, delivered age paid Great Britain, in one-ton lots upwards. Commercial grades, £8 per ton

ROMIDES.—The POTASSIUM salt, in quanti- of from 28 lb., is quoted per lb. as follows tainers in brackets): 3s. 5¼d. (1-lb.); 3¾d. (4-lb.); 3s. 2¾d. (7-lb.); 3s. 2¼d. b.); 3s. 1¾d. (28-lb.). SODIUM would be at er lb., and AMMONIUM at 2¾d. over these ; powder, 2d. per lb. extra.

RUCINE.—Makers' prices per oz., in lots of r 25 oz., are: ALKALOID, 1s. 4½d.; NITRATE, ½d.; SULPHATE, 1s. 3½d.

FFEINE.—As noted last week (p. 254) eased prices are now ruling for caffeine and . The new schedule is as follows (prices lb.):—

Compound	1 cwt. and over	56 lb. and over	28 lb. and over	Less
	s. d.	s. d.	s. d.	s. d.
loid, B.P. ..	33 6	35 0	36 6	38 0
ydrous	36 6	38 0	39 6	41 0
zoate	23 3	24 9	26 3	27 9
ate, B.P.C. ..	21 3	22 9	24 3	25 9
robromide, B.P.C.	35 6	37 0	38 6	40 0
um benzoate, .P. ..	21 3	22 9	24 3	25 9
um iodide ..	26 6	28 0	29 6	31 0
um salicylate, .P.C.	22 0	23 6	25 0	26 6

ALCIUM GLUCONATE.—Current prices per lb. as follows: 14 lb., 3s. 5d.; 28 lb., 3s. 2d.; lb., 3s. 1d.; 1 cwt., 2s. 11d.

ITRIC ACID.—Controlled prices are unnged. For details, see *C. & D.*, October 24, 2, p. 433.

CITRATES.—The basic price is unchanged but some upward adjustments have been made in the prices of the smaller packings. The range of prices is now as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb. ..	3 6½	—	—	—	—
From 4 lb. ..	3 5½	3 4	—	—	—
From 7 lb. ..	3 4½	3 3	3 2	—	—
From 14 lb. ..	3 3½	3 2	3 1	3 0½	—
28 lb. to 1 cwt.	3 2½	3 1	3 0	2 11½	2 11

IRON AND AMMONIUM (SCALES), B.P., is at 3d. per lb. above, and SODIUM is at 1d. per lb. below the table prices. All prices are net, packages extra. Sales are conditional on buyer's undertaking not to resell below the values given.

CODEINE.—Prices per oz., in 4-oz. lots, are as follows: ALKALOID, 38s. 3d.; PHOSPHATE, 31s. 3d.

ETHERS (METHYLATED).—Makers' prices per lb. for winchester quarts are as follows: 0·750, 1s. 5¼d.; 0·735, 1s. 5¾d.; 0·730, 1s. 5¾d.; 0·725, 1s. 7¾d.; 0·725 (triply rectified), 2s. 0¼d.; 0·720, 1s. 8¾d.; 0·720 (B.P., not for anæsthesia), 1s. 10d.

GALLIC ACID.—About 7s. 9d. to 8s. per lb. would be the price for moderate quantities.

GLYCERIN.—Prices for small quantities are as follows: 56-lb. tin, 99s.; 14-lb. tin, 105s. per cwt., subject to 2½ per cent. discount, twenty-eight days.

HEXAMINE.—Price of free-running crystals, in one-cwt. lots, would be about 2s. 3d. per lb.

IODINE PREPARATIONS.—Details of makers' prices were given last week (p. 254).

MAGNESIUM CARBONATE, HEAVY.—Makers' prices per lb. for 28-lb.–1 cwt. lots are as follows (containers in brackets): 1s. 3d. (28-lb.); 1s. 3½d. (14-lb.); 1s. 3¾d. (7-lb.); 1s. 4½d. (4-lb.); 1s. 6d. (1-lb.).

MAGNESIUM CARBONATE, LIGHT.—Makers quote lots of 28 lb.–1 cwt. as follows (containers in brackets): 11d. per lb. (28-lb.); 11½d. (14-lb.); 11¾d. (7-lb.); 1s. 0¼d. (4-lb.); 1s. 2d. (1-lb.).

MANDELIC ACID.—Details of prices for MANDELATES were given last week (p. 254).

METHYL SALICYLATE.—Makers quote as follows: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller quantities, in bottles, 2s. 1½d. per lb.

PHENOLPHTHALEIN.—Makers quote as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d. Prices net.

PILOCARPINE.—Makers' prices per oz. are as follows: Base, 1 oz., 27s.; 4 oz., 26s. 6d.; 25 oz., 26s.; hydrochloride, 1 oz., 21s. 3d.; 4 oz., 20s. 9d.; 25 oz., 20s. 3d.; nitrate, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

TANNIC ACID.—In restricted supply at from 8s. to 8s. 3d. per lb., according to quantity.

TERPINEOL.—For medicinal use only at from 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—Makers' prices for material prepared from clove oil or guaiacol are steady as follows: 5 cwt., 22s. 6d. per lb.; 1 cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.

Crude Drugs

AGAR.—Small routine business passing in Kobe No. 1 for bacteriological use, prices in the region of 65s. to 75s. per lb. being mentioned.

ALOES.—Moderate inquiry for Cape, spot price of which is steady at 67s. 6d. per cwt. Other varieties are not mentioned.

ANTIMONY.—Demand for this metal remains good, but supplies are practically all reserved for essential needs. Prices are steady as follows: English minimum 99 per cent. regulus, £120 per ton; 70 per cent. crude, for home trade, £100 per ton, delivered.

BALSAMS.—Prices are without quotable change on the week. *Tolu*, in fair inquiry but in meagre supply, is quoted at 10s. 3d. per lb. *Canada* is nominal on spot at 9s. per lb., with supplies exhausted. *Peru* remains at 8s. 6d. per lb., but no *Copaiba* can be had.

BELLADONNA.—Indian leaf is available on spot at between 4s. 9d. and 5s. per lb. Indian root, spot, quoted at 495s. per cwt.

BENZOIN.—In good request this week with prices steady despite the dwindling stock position. Prices are as follows: Sumatra almondy block, spot, £18 to £25 per cwt.; good seconds, £18 to £20, according to holder and quality. Sumatra free "almonds," £32 to £35.

BISMUTH METAL.—No alteration in the price of high-grade metal at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—The price of any remaining supplies of fair green rounds would be 6s. 6d. per lb.

CAMPHOR.—Demand for natural grades has been of a routine character. Prices are unchanged, as follows: Chinese, B.P., spot, 11s. 6d. per lb.; crude, 92 per cent., 10s.; Japanese slabs, 12s. English synthetic may be had by approved buyers at 8s. per lb.

CARDAMOMS.—Prices in India are higher. Aleppy seed, spot, 6s. 6d. per lb.; shipment, 6s. 9d., c.i.f.; Aleppy greens, spot, 5s. 6d.; shipment, 5s. 9d.; split seed, spot, 5s. per lb.

CASCARA SAGRADA.—Good inquiry for bark, but no supplies appear to be available at present. Information on the distribution to consumers of approximately 65,000 lb. of dry powdered extract for pharmaceutical purposes was given last week (p. 253).

CHILLIES.—Only Mombasa appear to be offered on spot; price would be 120s. per cwt.

CLOVES.—No change in spot sellers' price of 1s. 6½d. per lb.; second quality, to arrive, 1s. per lb., c.i.f.

COCOA BUTTER.—Except under lic maximum price at which sales can be 1s. 5½d. per lb., ex factory or warehou

COCONUT (DESICCATED).—Maximu under latest Ministry of Food Orde per cwt.

DIGITALIS LEAVES.—Spot prices are change, with Portuguese leaves at 1 cwt. and English-grown at 2s. 4d. per

DRAGON'S BLOOD.—Some dullish drop may be had on spot at £21 per c seedy lump at £30. Supplies of re-b exhausted.

ELEMI.—Spot offers of No. 1 gum r 290s. per cwt.

ERGOT.—In better demand and inc be firmer. Spot, sound, 5s. 6d. per lb.; wormy, 4s. 9d. per lb.; shipment re 5s. per lb., c.i.f., but no business is bei

GUM ACACIA.—Values unchanged; quiet. Kordofan cleaned sorts, spot, cwt., shipment, 65s. per cwt., c.i.f. gum would be available for shipment per cwt., c.i.f.

IPECACUANHA.—Remains exceedingl with continuing request from co Matto Grosso, spot, 20s. per lb., with done at that figure. B.P. Minas re good inquiry, but there appear to be no on the market; under B.P., if availabl be worth 16s. 6d. to 17s. per lb. EXT. LIQ., winchesters, steady: B.P., 1932, und 28s. 6d. per lb.; three and under si six and under twelve, 27s. 6d.; twelve a 26s. B.P., 1914, under three, 26s. 6d. and under six, 26s.; six and under 25s. 6d.; twelve and over, 25s. per prices quoted are on a net basis.

JABORANDI.—Spot price is steady per cwt., for small spot supplies.

JALAP.—Brazilian root testing 16 p resin may be obtained on spot at 105s. p root testing 13 per cent. may be had at

KAMALA.—Five per cent. ash, spot, 2s

LIQUORICE ROOT.—Russian root may by consumers at £75 per ton. For par see *C. & D.*, February 20, p. 203.

MENTHOL.—Some routine business h done at unchanged prices. Chinese, sp to 77s. 6d. per lb., duty paid, accor holder; Japanese, 77s. 6d. to 80s.

MERCURY.—Controlled prices range fr 10s. to £69 15s. per bottle for quantities 7 lb.

MYRRH.—Spot price of Aden sorts st between £18 and £20 per cwt.

NUX VOMICA.—Fair inquiry has be ceived. Cochin, washed and garbled 42s. 6d. per cwt.; Cocanada, 37s. 6d. p both ex warehouse Glasgow.

ORANGE PEEL.—Spot price of bitter q is unchanged at 3s. 3d. per lb.

PAPAIN.—Spot price remains nomi 17s. 6d. per lb.

ERS.—Maximum price on a sale to a r or wholesaler of whole pepper not over or cleaned is 1s. 4d. per lb. for nd 1s. per lb. for black, both duty paid.

NTO.—Spot sellers' price of 1s. 9d. per nchanged; shipment, not quoted.

PHYLLUM.—Spot supplies of *Emodi* (15 .) may be had at 82s. per lb.

LIUM SEED.—Spot quotations for Indian dy at 1s. 3d. per lb., ex store.

AIA BARK.—Crushed or cut bark is on spot at 115s. per cwt.; natural, 0s. per cwt., c.i.f.

ARB.—Demand is still moderate and s are firm. Spot price of good-quality und remains at between 7s. 6d. and lb., according to quality and seller. ickings, if available, 9s. 6d. per lb.

NIN.—Spot quotation steady at 7s. 6d. ex store; shipment, 6s. 6d., c.i.f.

APARILLA.—As noted last week (p. 256) supplies have now been cleared and importations are unlikely.

S.—Quiet conditions prevail, with of interest to report. Prices are as CORIANDER.—Indian, 82s. 6d. per UMIN.—Maltese, spot, 135s.; Indian, English, 150s. DILL.—Some small ; spot, quoted at 180s. FENNEL.— 100s., nominal. FENUGREEK.—90s.

D.—Controlled (see *C. & D.*, November 2, p. 564).

A.—Routine demand at unchanged Tinnevelly No. 1, 9d. to 10d. per lb.; d. to 7½d.; No. 3, 5½d. to 6d. Alexan- roken, 1s. 3d. to 1s. 4d. Good hand- Tinnevelly pods, 11d. to 1s. 2d.; ordinary 10d. to 11d.; f.a.q., 6d. to 7½d. Hand- Alexandrian pods, 3s. 6d. to 6s., accord- uality.

LAC.—Quiet conditions continue, with rations in prices. Spot, standard TN 205s. per cwt., value; pure button, d; fine orange, 240s. to 290s. quoted. rticulars of the Control of Lac (No. 2) issued by the Ministry of Supply, see ction.

LL.—Spot price of Portuguese bulb s at 95s. per cwt., and of Indian at 75s.

MONIUM LEAVES.—Indian leaves may on spot at 105s. per cwt.

PHANTHUS SEED.—Demand, although ge, remains steady; prices are without . Kombé seed, 100 per cent., 10s. 6d. with less for fair-sized orders.

ACANTH.—Quiet conditions obtain; n grades are steady. No. 1, white, £130 t.; No. 2, white, £115; No. 3, white, No. 4, white, £83; pale leaf, £73; amber 5; dark amber, £55; brown leaf, £45; d-brown leaf, £40; red leaf, from £35; and hoggy, from £17, ex store.

MERIC.—Quiet, with little interest being Spot, sound-quality Madras finger, . per lb.; wormy, half-a-crown less.

VALERIAN ROOT.—Some Indian root may be had on spot at 100s. per cwt., ex store.

WAXES.—Steady. CARNAUBA.—Fatty grey and chalky grey are both quoted at 10s. per cwt. less at 440s., and Primeira at 520s., nominal. BEES.—May be had only through the Association of Merchant Distributors of Beeswax.

Essential and Expressed Oils

ANISE (STAR).—Supplies of genuine Red Ship oil are difficult to find. Prices of drums would be between 54s. to 55s. per lb. on spot.

BAY.—Spot position unchanged, with small supplies available at around 12s. 6d. per lb.

BOIS DE ROSE.—Approximately 42s. per lb. would represent the present spot value.

CAJUPUT.—Firmly held for approximately 17s. 6d. per lb.

CASTOR.—Controlled price of "firsts" is unchanged at £72 per ton, and that of "seconds" at £70 per ton, both naked ex works.

CITRONELLA.—Spot supplies are difficult to locate; price of Ceylon would be in the region of 20s. per lb.

CLOVE.—English distillers' prices are unaltered at about 14s. per lb. for ordinary quantities, with slightly less for larger parcels.

COCONUT.—No change in controlled prices: Crude, £36 12s. 6d.; refined deodorised, £40; refined hardened deodorised, £44 per ton, all naked ex works.

COTTONSEED.—Controlled price of refined deodorised remains at £49 per ton, naked ex works.

EUCALYPTUS.—Request remains good, but supplies are poor. Spot, 73 to 75 per cent. oil, from 5s. 9d. to 6s. per lb., if available.

GERANIUM.—Basic price of any available supplies would be about 80s. per lb., but business would have to be negotiated. British makers can supply artificial substitutes at lower prices.

GROUNDNUT.—No change in controlled prices, which remain at between £48 and £54 per ton, naked ex works, according to grade.

LINSEED.—Crude is controlled at £46 10s. per ton, naked ex works.

PALMAROSA.—Small supplies may be had on spot at around 32s. 6d. to 35s. per lb.

PEPPERMINT.—Scarce on spot. Chinese and Japanese oils would be worth from 90s. to 95s. per lb., according to holder.

PETITGRAIN.—Spot quotation for small supplies remain in the region of 24s. per lb.

RAPESEED.—Controlled price of crude has undergone no change from £54 per ton, naked ex works.

ROSEMARY.—Small supplies can be bought on spot at around 16s. per lb.

THYME.—High quality, on spot, is valued at about 25s. per lb., but lower-phenol-containing oils would be cheaper.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Importance of the Chemist's Title

SIR,—In reply to your correspondent, Mr. F. D. Chambers (*C. & D.*, March 6, p. 257), I would suggest that the title "chemist" signifies a real knowledge of chemistry and far beyond that required for the purpose of the Chemist and Druggist examination. If the writer possesses a knowledge of chemistry equal to that, say, of the head chemist of a Government laboratory, then I can understand his grievance. On the other hand, the description "pharmacist," or better still, "pharmaceutical chemist," correctly describes our calling. There are other queer things that we accustom ourselves to in this country besides describing one who dispenses medicines as a chemist, namely our coinage system, weights and measures, and the obstinacy in which we refuse to fall into line by driving vehicles on the left-hand side of the road. Reforms, however, usually come as a result of war, and I hope that our logical description will result in the title "pharmaceutical chemist." It indicates a knowledge of both pharmacy and chemistry without, as at present, conveying the impression that the holder possesses a greater knowledge of chemistry than is actually the case. No doubt another honours title could be found to satisfy those possessing the Ph.C. Incidentally, exemption from jury service would be conferred upon the majority of those who deserve it.

Yours faithfully,

London, E.11. L. MATTHEWS.

MISCELLANEOUS INQUIRIES

Irish Moss Decoction.—*A. M.*—As a preservative for decoction of Irish moss, 1 oz. of emulsion of chloroform, or 15 gr. of sodium benzoate to the pint of decoction should be satisfactory. The pink coloration you mention is presumably due to the action of the salicylic acid on the metal of the emulsifier. The only way we can suggest to overcome this is to pass the product through the emulsifier first and add the solution of salicylic acid afterwards.

Pancreatic Emulsion.—*A. W. H.*—formulas for pancreatic emulsion are g in "Pharmaceutical Formulas," Volur The first of these involves starting with free pancreas of pigs, and as we are dou if you will be able to obtain this mat we are sending you the second forr We do not know whether your custome be prepared to sacrifice any of his marg ration for the purpose, but if not pos you can overcome this difficulty wi suitable alternative fat.

Margarine	4 oz
Soap	350 gr
Powdered tragacanth ..	35 gr
Benzoic acid	15 gr
Glycerin of pancreatin ..	1 oz
Water, to make	16 oz

Heat the soap with 4 fl. oz. of water dissolved. Add the hot solution to the m margarine, mix by rapid agitation or tr tion, add the tragacanth, continue agit until a nucleus emulsion is formed, add the and make up to 16 oz. with water.

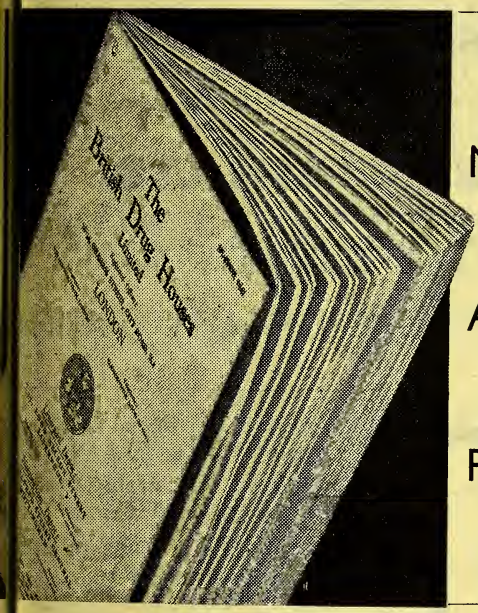
Glycerin of Pancreatin

Pancreatin	100
Sodium bicarbonate ..	4
Distilled water	200
Glycerin, to make ..	1,000

Dissolve the sodium bicarbonate in the v and dissolve the pancreatin in this sol Then add the glycerin. Let the mixture in an open vessel for at least twenty-four h then filter and preserve for use.

Sarsaparilla Drinks.—*W. D. S.*—position is covered by an amendmer the Soft Drinks (Licensing and Cor Order, 1942, that came into force December 7, 1942, and one paragrap which reads as follows: "Except under in accordance with the terms of a lic granted for the purposes of this Artic or on behalf of the Minister (i.e., of F no person shall by way of trade or bus engage in the manufacture or packir any soft drink." The query in the posts to your letter does not arise, therefore should you obtain a licence there wou no necessity for you to put the formu the product on the labels of your cor trated sarsaparilla drink unless you cla for it some medicinal properties. Any c of this character would bring the prep tion within the Pharmacy and Medi Act, 1941, but there is nothing in any o Soft Drink Orders to require publicatic the formula. In the matter of labellin only thing these Orders prohibit is the of "any name, brand, or other r distinguishing the soft drinks manufact or packed by such licensed manufactur licensed packer."

The B.D.H. price list



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MARCH 13 1943

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